



E^{ASY}motion by **BH**

2013

BH




1909

E^{ASY}*motion*

2013

BH has been for over a century a synonym of bicycles, cycling, sportsmanship and self-improvement. Many children have given their first and hesitant turn of the pedals with a BH bicycle, and legendary cyclists have also been created on many of these bikes.

The journey of BH (Beistegui Hermanos) in the industry initiated in Eibar (Guipuzkoa, Spain), a city of arms manufacturers, in 1909 as a result of the genius and enterprising spirit of three brothers: Cosme, Domingo and Juan Beistegui Albistegui.

The company, which was founded as an arms manufacturer, gave a radical 180-degree turn following the First World War, and it set out to provide a fast, comfortable and economic means of transport for the citizens of Eibar. The result was the development of very light, agile and reliable bicycles.

This is how one of the current cycling icons and one of the most successful and consolidated brands was born. From that point onwards and as a result of its technological

advances and abiding commitment to sport, BH has achieved a series of sporting triumphs and has contributed with several innovations to the world of cycling.

By 1935, BH was firmly settled in the Spanish cycling scene. The BH team had one of the best cyclists of the day in its ranks, the Belgian **Gustave Deloor** (1913 - 2002), who won the first two editions of the Vuelta a España in 1935 and 1936. Up to this date, BH has won seven Vueltas a España, the last one in 1986 with **Álvaro Pino**. In that edition, the team Zor-BH also came first in the team classification.

Fede Etxabe achieved another historical triumph in 1987 by winning the legendary Alpe d'Huez stage of the Tour de France and becoming the first Spanish cyclist to include his name in one of its 21 bends. In more recent times, BH has been the provider of several cycling teams, such as Liberty Seguros or AG2R.

In line with its success in sport, BH also grew and extended the frontiers of its activity.

In 1959, BH moved to a more modern and larger plant in Vitoria, from which it has developed high quality bicycles and components for all cycling disciplines: road, mountain, all terrain, electric and even fitness and elliptical bicycles. The technological innovations developed by BH, such as the NEO range, the Ultralight frames, the Global Concept and the Lynx double suspension for MTBs, has allowed the brand to continue being ahead of its time and offer solutions to the demands made by the two-wheel enthusiasts.

100 years later, the **Beistegui** family are still at the head of BH and continue to maintain the essence of a company that remains true to the values it was founded upon: innovation, research and technological development; social and environmental responsibility; dynamism, commitment, reliability and trustworthiness; and, above all, its passion for bicycles. And all this with the aim of continuing to offer sport and health products to the entire world.

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over a century of
innovation and
passion for bicycles



BH





concept store

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Concept Store, the new BH experience



BH presents its new chain of shops, the Concept Stores. The Concept Store is an exclusive shop that expresses and exemplifies the brand's values, philosophy and personality

By means of these new spaces, BH intends to get closer to its customers and be able to offer a direct and personal service.

The image and design of these new shops are based on the following four principles: innovation, clarity, functionality and sustainability. BH's Concept Stores are large, open, functional spaces that are clear of any architectural barriers, where

simplicity, proximity, direct contact and customer interaction prime as well as BH's technology and bicycles.

In our Concept Stores, consumers will enjoy the whole BH experience, and will really understand what we are trying to achieve through our innovative products and progressive corporate culture.



Spaces

Technical Service

A wide window allows you to look into the technical area.

Accessories

The BH Sport line provides all the most important accessories required by a cycling enthusiast, from clothing to helmets.

BH Fitness

The Concept Store devotes a considerable space to BH's line of domestic and professional aerobic training bicycles.





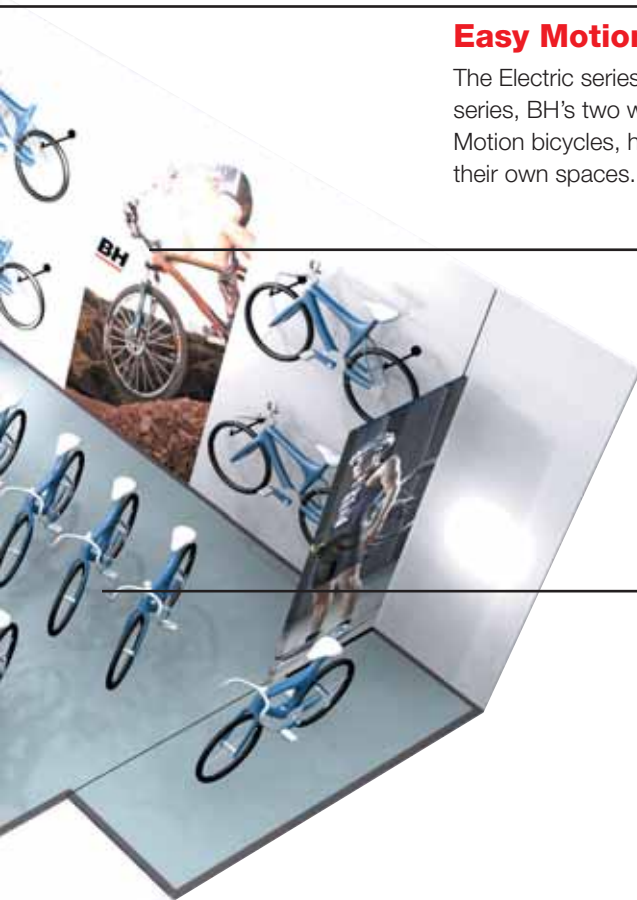
Customisable spaces

Each Concept Store is unique thanks to the furniture and different decorative elements that allow customising the showroom.



Easy Motion

The Electric series and Trekking series, BH's two wide ranges of Easy Motion bicycles, have been provided their own spaces.



MTB

MTB enthusiasts also have a specialised area in the new Concept Stores.

Racing

This space is reserved for the Racing models, ideal for professionals and cyclo-tourers.





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demo tour



Race in Roquetas, team «Burgos 2016»

sponsorship

of sport events

Competitions. BH participates in the most important professional Triathlon, MTB and road competitions

We are head sponsors of the BH Triathlon Zarautz, and we participate as sponsors in the Half Challenge Barcelona, the Triathlon World Championship Vitoria-Gasteiz and the Garmin Barcelona Triathlon, among many other competitions.

BH is also present with display stands at some of the most important Triathlon competitions in the world: WCS ITU San Diego (California, USA), Ironman Kailua-Kona (Hawaii, USA), Ironman Arizona (USA), etc.

March	BH Triathlon	Spain	Triathlon Valencia MD
April	BH Triathlon	Australia	WCS ITU Sydney
	BH Triathlon	USA	WCS ITU San Diego
	BH-Easy Motion	France	Velovert Festival
	BH Triathlon	Spain	Ironman Lanzarote
	BH	Spain	Test the Best
	BH Triathlon	Spain	WCS ITU Madrid
	BH Triathlon	Spain	Half Challenge Barcelona
May	BH Triathlon	Spain	Triathlon Zarautz
	BH-Easy Motion	Germany	Willingen
	BH MTB	Spain	Euskobike Challenge
	BH Triathlon	Germany	WCS ITU Kitzbuhel
July	BH	Spain	Pirenaica
	BH Triathlon	Austria	WCS ITU Hamburgo
	BH Triathlon	Spain	Campeonato del mundo LD Vitoria
August	BH Triathlon & BH MTB	UK	London 2012 Olympics
	BH-Easy Motion	Germany	Ispo Bike
	BH Triathlon	Swiss	WCS ITU Lausanne
	BH-Easy Motion	Germany	Eurobike
September	BH Triathlon	Spain	Valencia LD
	BH-Easy Motion	Italy	Feria di Padova
	BH Triathlon	Japan	WCS ITU Yokohama
	BH Triathlon	Spain	Challenge Barcelona
October	BH-Easy Motion	Portugal	Festival Bike Santarem
	BH Triathlon	Spain	Garmin Barcelona
	BH	France	Roc D'Azur
	BH Triathlon	USA	Ironman Kona
	BH Triathlon	New Zealand	WCS ITU Auckland Grand Final
November	BH Triathlon	USA	Ironman Arizona



sponsorship

of teams and athletes

Faithful in its commitment to sport and cycling, BH currently sponsors both elite athletes and young up-and-coming talents

BH, through the BH Triathlon team, sponsors triathletes **Eneko Llanos, Nicola Spirig, Angela Naeth, Mario Nola** and many other elite triathletes. It also sponsors cyclocross cyclists **Isaac Suárez** and **Egoitz Murgoitio**.

BH also sponsors the following teams: The cyclocross group *Hirumet Taldea*; the French **MTB**

team **BH Suntour**; the Belgian team *Team Terra Footwear Bicycle*; the professional team *BH Burgos-Castilla y León*; and *Qinghai Tianyou* of the Chinese *Cycling Team*.

In addition, BH is the official sponsor of the Spanish Triathlon Federation, the Portuguese Triathlon Federation and the Spanish Cycling Federation.

Above: Eneko Llanos (Champion of Ironman Arizona) / Below: team **BH Suntour** and BH's Triathlon team



New catalogues and new image

The BH product catalogues have been totally redesigned

Dealer Book for distributors.

For the first time, with a new graphic design and structure, BH presents the technological solutions and innovations it applies to its products. Both the Racing, MTB and Triathlon catalogue and the Easy Motion catalogue offer a comprehensive and detailed vision of each BH model.

Catalogues for users.

BH also edits a catalogue aimed at end users that includes all the information on the wide range of BH bicycles, family of products, models, technologies and innovations, as well as BH's lifestyle and personality. This user catalogue is a great support tool for distributors, as customers will be able to take a catalogue home and calmly study the models, characteristics and performance of those BH products that best adapt to his/her tastes and needs. These catalogues can also be downloaded from BH's website.



web

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The entire BH universe is also on the Internet and social networks

Totally redesigned with the 2013 range in mind, the new website is intuitive and the information provided is comprehensive. At BH's websites, you will find specialised content on bicycle models, reports, interviews and news on teams and athletes sponsored by BH. These websites also allow you to pose and solve queries with the help of BH technicians and mechanics.

It is no surprise that BH's website was named one of **the best enterprise websites** by the «El Correo» newspaper for its navigability, its usefulness in the industry and for the public, and its use of multimedia resources, interactivity and online services.

BH Community

BH is also present in the Web 2.0 via Youtube, Facebook and Twitter. Join the BH Community and follow us.

Bhbikeschannel. BH has just launched bhbikeschannel, its official Youtube channel. This is a space in which the user and distributor can find the best videos on BH bicycles and on the teams and athletes supported by BH, as well as the Trade Fairs and events in which BH takes part. Anything to do with the BH experience can be found at bhbikeschannel.

Facebook and Twitter. Being up to date with the latest news on BH teams and athletes is very easy thanks to the BH profiles in Facebook and Twitter, the most popular and populated social networks. In addition, users can participate in draws, competitions and promotions, as well as say and share whatever they want.



media

Advertisements in industry magazines

The presence in specialised media is another tool that our brand takes advantage of to support its distributors. BH regularly includes advertisements in the most relevant European publications on the two-wheel sport. Magazines in Spain, France, Portugal, Greece, Germany, Italy and the United Kingdom periodically publish advertisements including our models.

Know about everything that is published on BH

All this presence in the media is gathered in a bi-monthly online newsletter that all distributors can subscribe to for free and that will allow them to be up to date with everything the international press publishes on BH.

You can subscribe to this newsletter at www.bhbikes.com

Experts test our bicycles

These publicity campaigns are reinforced with frequent tests carried out on the most innovative BH bicycles by specialised journalists. In these demanding and comprehensive tests, the journalists assess the equipment, their technical characteristics, technological advances, design, ergonomics and the sensations obtained from our models. The specialised press performs over fifty tests on BH bicycles every year.

BH in Europe

Spain	Road	<i>Ciclismo a fondo</i>
	Road	<i>Biciclismo.com</i>
	MTB	<i>Solo Bici</i>
	MTB	<i>Bike</i>
	Triathlon	<i>Trisense</i>
France	Triathlon	<i>Triathlon</i>
	Triathlon	<i>Finisher</i>
	Road	<i>Le Cycle</i>
	MTB	<i>Bike</i>
	MTB	<i>Velo Vert</i>
Portugal	MTB	<i>VTT</i>
	Easy Motion	<i>City Ride</i>
	Triathlon	<i>Triathlete</i>
Italy	Road	<i>Ciclismo a fondo</i>
	MTB	<i>Bike</i>
	MTB	<i>Biking Aventura</i>
Greece	Triathlon	<i>Sportlife</i>
	Road	<i>Cicloturismo</i>
Belgium	MTB	<i>MTB</i>
	Road	<i>Mbike</i>
Germany	MTB	<i>Mbike</i>
	Trekking	<i>Mbike</i>
UK	MTB	<i>O2 Bikers</i>
	Easy Motion	<i>Extraenergy</i>
	Road	<i>Tour</i>
	Triathlon	<i>Triathlon Plus</i>



E^{ASY} *motion*
2013

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NEO
IBS BOSCH
IBS PANASONIC
FDS

**Ecology, efficiency,
autonomy, flexibility,
fun, power, comfort,
ergonomics,
design, tranquillity,
smoothness**

electric series



Obtain more power less effort

Enjoy biking

The wide range of Easy motion models has been especially designed for all types of tastes and needs, with no age limit.

For those who want to travel around the city, go on long-distance trips, enjoy cyclotourism, or even cycle through road or mountain routes. If space is your concern, there are foldable models that you can store practically anywhere and even take on public transport comfortably.

With the Easy Motion electric series, you will reach your destination whenever you want and however you want. You don't need a helmet, a license or insurance. Only you set the limits.

electric series

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How do the Easy Motion bicycles function?

PEDAL ASSISTANCE

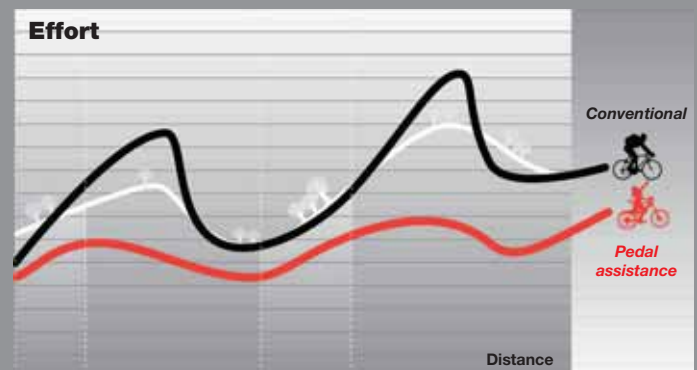
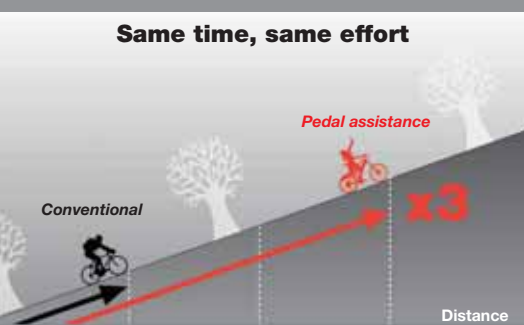
These bicycles function the same way as conventional bikes but they have an enormous advantage: they take much less effort, as they have an electric motor that will help you pedal in a smooth, constant and comfortable way. With the same effort, the Easy Motion electric series allows you to travel three times as far and offers you assisted energy of up to 150 km.

In addition, its maintenance is minimal because you only have to worry about charging the battery by connecting it to an outlet, just like you would charge a mobile phone.

TORQUE SENSOR

The Easy Motion's brains!

When you are pedalling and the pedal assistance is activated. A torque sensor will register the power you are exerting and it will send a signal to the controller so the motor, (depending on the assistance level selected), provides power to your pedal stroke while you are only applying a minimum effort. The aid is immediate, smooth and continuous.



Power with much

For all tastes



The batteries used in all three technologies are completely extractable and rechargeable.

The charging time is very short; in just a couple of hours you can charge the battery up to 80% and in four hours to 100%.



NEO

BH patented system

An innovative and revolutionary system patented by BH that totally integrates the battery into the bicycle's frame.

These bicycles allow you to choose from four assistance modes (Ride, Trip, Sport and Fast).



IBS

Bosch / Panasonic

Bosch:
The battery is located on the bottle cage or rack, keeping the bicycle's traditional geometry.

Offers you four assistance modes (Ride, Trip, Sport and Fast).

Panasonic:
The battery is located under the seat and it distributes the weight of the electrical elements in an optimal way.

Offers you three assistance modes (Ride, Trip and Sport).



FDS

Samsung

The FDS Easy Motion bicycles featuring technology completely developed by BH provide a great drive sensation when starting. The battery is strategically placed on the rear rack.

When riding, you can choose from four assistance modes (Ride, Trip, Sport and Fast).

Main features	<i>Power and design</i>	<i>Bosch: Smoothness in pedalling Panasonic: Balance and reliability</i>	<i>Comfort and drive</i>
Design	Integrated / stylish design <i>In the frame. The pedal assistance bicycle similar to a conventional bike.</i>	Adapted design <i>Bosch: On the frame as a bottle cage and on the rack. Panasonic: On the frame, under the seat.</i>	Rack design <i>On the rack.</i>
Traction	<i>Rear Rear Drive System (RDS)</i>	<i>Bottom Bracket axle Integrated Bottom Bracket System (IBS)</i>	<i>Front Front Drive System (FDS)</i>
Autonomy	<i>Up to 90 km</i>	<i>Up to 150 km</i>	<i>Up to 90 km</i>
Range	<ul style="list-style-type: none"> • City • Foldable • MTB, cross-country, double suspension and 29" • Road 	<ul style="list-style-type: none"> • City • Foldable • MTB, cross-country • Road 	<ul style="list-style-type: none"> • City • Foldable
Additional functions	<i>Extractable LCD controller Accelerator (6 km/h)</i>	<i>Bosch: LCD Panasonic: LCD / LED</i>	<i>Extractable LCD controller Accelerator (6 km/h)</i>
Extras	<ul style="list-style-type: none"> • GPS Anti-theft System • Mobile App • Light upgrade Kit • Neo Nitro: High Speed Pedelec (45 km/h) 		



A unique design
The NEO Easy Motion
bikes are unique.
Their exclusive design,
patented by BH, integrates
a powerful extractable
battery into the frame
so you can ride for more
kilometres/miles with full
autonomy.

technology

NEO



NEO

The electric bicycle that doesn't look like one

Nothing in the appearance of NEO Easy Motion bikes suggest that they are electric. Their exclusive design, patented by BH, makes the NEO a stylish and attractive bicycle that conceals a powerful battery in its frame and offers autonomy of up to 90 kilometres. Thanks to its accelerator, it allows riding at 6 km/h without having to pedal.

electric
series

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BH's NEO Easy Motion range won the 2011 Eurobike Award for best design and functionality in the hybrid bicycles category. This prize is awarded to especially innovative products that have high quality standards. Therefore, the full range NEO has the stamp Eurobike awards to bicycles that evolve the bike concept.



In addition, Extra Energy –the reference body in electric bicycles in Europe– has awarded the NEO model the “Very Good” rating award.



These awards are proof of the commitment that BH has with innovation, design, quality and sustainability.

There is a range for all people and all types of terrain. There are Neo city, Neo foldable, and Neo road. We also have Neo MTB's in which we offer in a full suspension, 29^{er}, and 26" hard tail option. They are some of the lightest electric bikes on the market weigh in at between 19-24 kg.

RDS[®]

More power

BH's NEO models include the revolutionary RDS system (Rear Drive System). A 350 W motor, which has been limited to 250 W that regulates the motor's operation and completely eliminates noise when the motor is engaged. In the Neo range, the motor and torque sensor are located on the rear of the frame, and they provide the rider with smooth and immediate power.



The battery with the longest lifetime

The battery used in the NEO bicycles is completely extractable and can be charged in a very short time. An 80% charge is obtained in just two hours and 100% in four.

Samsung's battery system is proprietary to Easy Motion. It has a battery of around 35,000 km. It is capable of retaining 80% of its original charge. It is, without a doubt, one of the batteries with the largest charging capacity on the market – up to 90 km on ride mode – and its consumption is similar to the batteries used in mobile phones.

Ride at the pace you want

With NEO bicycles, you can choose from four types of progressive assistance until reaching a 1:3 assistance ratio (user effort: motor effort) The pedal assistance selection is carried out by means of an intuitive and completely extractable LCD display located on the handlebar.

Ride Mode	ECO
1:0.7	Obtain 70% extra power in each turn of the pedal.
Trip Mode	STANDARD
1:1.4	Obtain 140% extra power in each turn of the pedal.
Sport Mode	SPORT
1:2	Double the power in each turn of the pedal.
Fast Mode	BOOST
1:3	Triple the power in each turn of the pedal.



Accelerator. Travel without pedalling

If you are tired and you don't feel like putting in any effort, with the NEO bicycles you will be able to travel at a speed of 6 km/h without having to pedal at all. All you have to do is push the accelerator button on the LCD display screen.

EXTRAS

GPS Anti-theft System

This efficient anti-theft system is a SIM card that is located inside the frame next to the battery. The anti-theft system is activated and deactivated by means of a mobile phone, so in the event of theft, you can locate your bicycle.



Mobile App

The NEO bicycles can also communicate with your mobile telephone by installing a Bluetooth device instead of the LCD display screen and a mobile app that you can download from the BH Emotion website.

This application will inform you of the distance travelled, the battery charge level, the average speed and the time spent travelling. Likewise, it will inform you of any incidence that occurs with the bicycle.

Light upgrade Kit



You will now have the possibility of incorporating a system to the unit control if you want to add front and rear lighting to the NEO bicycles, which are supplied power from the battery.

NITRO

High Speed Pedelec (45 km/h) More power, more speed

The NEO bicycles new RDS system offers even more options, such as the Speed Pedelec system included in the Nitro model, which provides more power and enables you to reach speeds of up to 45 km/h and 20 km/h when using the accelerator. Thanks to an optimised battery with 417 Wh (48 W / 8,7 Ah). Its greater power provides the same autonomy. This model has been approved as a motorcycle (see legislation of each country).

electric series



NEO

NEO

NEO RDS

Rear Drive System



Emotion remov.



Samsung 324 Wh (36 V / 9 Ah)



"Brushless" 350 W (lim. 250 W)



Up to 90 km

Upgrade kits ~ GPS Anti-theft System

~ Mobile App Android

~ Light Kit

The electric bicycle that doesn't look like one



- RDS NITRO** Rear Drive System
 Remov.
 Samsung 417 Wh (48 V / 8,7 Ah)
 "Brushless" 500 W
 Up to 90 km

Nitro
EN903

- NEO Nitro H/S Alloy
- Suntour NCX-D LO Lite
- Tektro Dorado 180MM
- Shimano XT 10SP
- Shimano Deore 3SP
- Swchalbe Marathon 40-622
- Shimano Dinamo
- MD
- kg 24,6



City
EN413

- NEO City Alloy 28"
- Suntour CR-8V
- V-Brake Alloy
- Shimano Alivio 8SP
- Shimano Altus 3SP
- Kenda 198 700*38C
- Shimano Dinamo
- MD / LA
- kg 24

Street
EN313

- NEO City Alloy 26"
- Suntour NEX4100-V2
- V-Brake Alloy
- Shimano Alivio 8SP
- Shimano Altus 3SP
- Kenda K193 26*1,95C
- Shimano Dinamo
- MD
- kg 23,5



Volt
EN253

- NEO Volt Alloy 20" Foldable
- HI-TEN
- V-Brake Alloy
- Shimano RD-2300 7SP
- Sr Suntour 48T
- Kenda 20*1,75 Reflex
- Shimano Dinamo
- MD
- kg 22,5

Volt sport
EN263

- NEO Volt Alloy 20" Foldable
- HI-TEN
- Tektro E-COMP 160MM
- Shimano RD-2300 8SP
- Sr Suntour 48T
- Kenda 20*1,95 Reflex
- Shimano
- MD
- kg 21,5

electric series



Jumper
EN663

	NEO Jumper 26" Alloy Full Suspension		Shimano XT 10SP		MD
	Suntour Epicon Lord 120		Shimano Deore 3SP		22,4
	Tektro E-COMP 160MM		Swchalbe Rapid Rob 26*2,2		
	Rock Shox XC32		Shimano		



Xtrem
EN603

	NEO Xtrem Alloy 26"		Shimano Alivio 3SP		MD
	Suntour XCT MLO		Continental Explorer 26*2,25		19,8
	Tektro E-COMP 160MM		Shimano		
	Shimano Alivio 8SP				

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Cross
EN703

	NEO Cross Alloy 28"		Shimano Alivio 3SP		MD / LA
	Suntour NEX4610 HLO		Kenda 198 700*38C		19,8
	Tektro E-COMP 160MM		Shimano		
	Shimano Alivio 8SP				



29"
EN763

	NEO 29er Alloy		Shimano Deore 3SP		MD
	Suntour XCR-MLO		Swchalbe Rapid Rob 29*2,25		22,4
	Tektro E-COMP 160MM		Shimano		
	Shimano Deore 10SP				



Carbon
EN793

	NEO Carbon		FSA Vero JIS 3SP		MD
	XDS Carbon		Kenda 198 700*32C		18,9
	Tektro E-COMP 160MM		Shimano		
	Shimano 105 10SP				



Race
EN803

	NEO Race Alloy		FSA Vero JIS 3SP		MD
	XDS Carbono		Continental 700*25C2 Supersport Plus		19,4
	V-Brake Alloy-Shimano BRM 422		Shimano		
	Shimano 105 10SP				





High Speed Pedelec (45 km/h)



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Electric SERIES

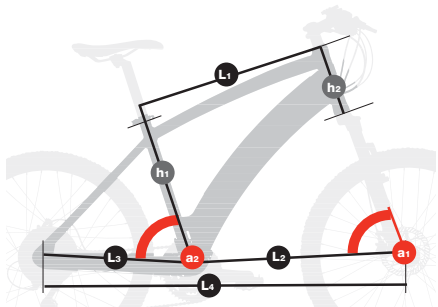
Nitro EN903

Frame	NEO Nitro H/S Alloy
Rear Shock	-
Fork	Suntour NCX-D LO LITE
Stem	Emotion Light
Headset	Integrated
Shift levers	Shimano Deore
Rear Derailleur	Shimano XT 10SP
Front Derailleur	Shimano Alivio 3SP
Crank Set	Shimano Deore 3 SP
B.B Set	Integrated
Cassette	Shimano HG62 10SP (011-36T)

Chain	Shimano HG54
Brake levers	Tektro Dorado 180MM
Rims	Alloy Double Wall
Tires	Swchalbe Marathon 40-622
Hubs	Shimano Dinamo
Spokes	Stainless Steel
Saddle	Emotion Perform
Seat Clamp	Quick Release
Seatpost	Alloy 31,6MM
Handlebar	Emotion Carbon
Grips	Ergonomic
Pedals	Alloy Antislip
Weight	24,6 Kg

Technology

System	NEO RDS Nitro
Battery	Samsung 432 Wh (48 V / 9 Ah)
Motor	"Brushless" 500 W
Distance	Up to 90 km
Display	LCD Emotion remov.
Display bag	✓
Upgrade kits	GPS Anti-theft System Mobile Android App Light Kit



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	500	195	573	661	450	1.103	70	73	1.803

colors	code
	431 - MATT

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector, bell and wheel reflector
Lighting	Headlight: Hermans H-Diver Auto, Rear light: Spanninga Kendo, Rear reflector: Rear Light Integrated



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Electric SERIES

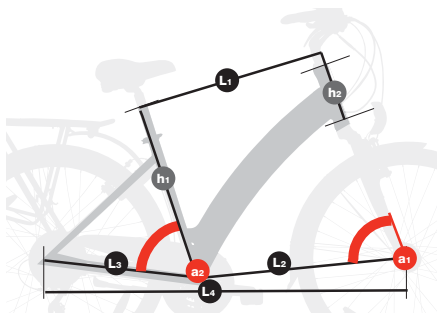
City EN413

Frame	NEO City Alloy 28"
Rear Shock	-
Fork	Suntour CR-8V
Stem	Emotion Auto Adjustable
Headset	Integrated
Shift levers	Shimano Altus 3 SP
Rear Derailleur	Shimano Alivio 8SP
Front Derailleur	Shimano FDM191 3SP
Crank Set	Shimano Altus
B.B Set	Integrated
Cassette	Shimano HG41 8SP (11-32T)

Chain	Shimano HG40
Brake levers	V-Brake Alloy
Rims	Alloy Double Wall
Tires	Kenda 198 700*38C
Hubs	Shimano Dinamo
Spokes	Stainless Steel
Saddle	Emotion Confort
Seat Clamp	Alloy
Seatpost	Alloy 31,6MM
Handlebar	Emotion City Alloy
Grips	Ergonomic
Pedals	Alloy Safety Pedal
Weight	24 Kg

Technology

System	NEO RDS
Battery	Samsung 324 Wh (36 V / 9 Ah)
Motor	"Brushless" 350 W
Distance	Up to 90 km
Display	LCD Emotion remov.
Display bag	✓
Upgrade kits	GPS Anti-theft System Mobile Android App Light Kit



Dimensions in mm.

Size	h1	h2	L1	L2	L3	L4	a1	a2	Total
MD	480	195	578	665	450	1.107	70	73	1.807
LA	540	195	574	665	450	1.107	70	73	1.807

colors	code
	431 - MATT

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector, bell and wheel reflector
Lighting	Headlight: Spanninga Kendo, Rear light: Spanninga Brasa, Rear reflector: Rear Light Integrated

City



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Electric SERIES

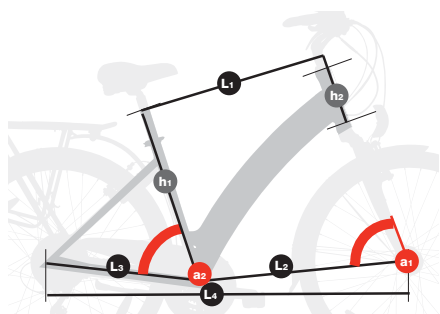
Street EN313

Frame	NEO City Alloy 26"
Rear Shock	-
Fork	Suntour NEX4100-V2
Stem	Emotion Auto Adjustable
Headset	Integrated
Shift levers	Shimano Alivio
Rear Derailleur	Shimano Alivio 8SP
Front Derailleur	Shimano FDM191 3SP
Crank Set	Shimano Altus 3 SP
B.B Set	Integrated
Cassette	Shimano HG41 8SP (11-32T)

Chain	Shimano HG40
Brake levers	V-Brake Alloy
Rims	Alloy Double Wall
Tires	Kenda K193 26"1,95C
Hubs	Shimano Dinamo
Spokes	Stainless Steel
Saddle	Emotion Confort
Seat Clamp	Alloy
Seatpost	Alloy 31,6MM
Handlebar	Emotion City Alloy
Grips	Ergonomic
Pedals	Alloy Safety Pedal
Weight	23,5 Kg

Technology

System	NEO RDS
Battery	Samsung 324 Wh (36 V / 9 Ah)
Motor	"Brushless" 350 W
Distance	Up to 90 km
Display	LCD Emotion remov.
Display bag	✓
Upgrade kits	GPS Anti-theft System Mobile Android App Light Kit



Dimensions in mm.

Size	h1	h2	L1	L2	L3	L4	a1	a2	Total
MD	410	195	78	661	425	1.082	71	74	1.082

colors	code
	431 - MATT

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector, bell and wheel reflector
Lighting	Headlight: Spanninga Kendo Rear light: Spanninga Brasa, Rear reflector: Rear Light Integrated

electric series

NEO

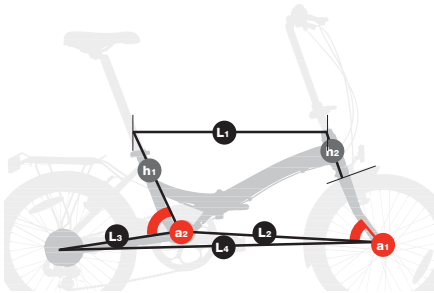
Foldable



34

Electric SERIES

Volt EN253



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	280	175	675	680	403	1.080	74	73	1.580

1000 x 900 x 350 mm.

Frame	NEO Volt Alloy 20" Foldable
Rear Shock	-
Fork	HI-TEN
Stem	Telescopic
Headset	Integrated
Shift levers	Shimano Tourney
Rear Derailleur	Shimano RD-2300 7SP
Front Derailleur	-
Crank Set	SR Suntour 48T
B.B Set	Integrated
Cassette	Shimano TZ21 7SP (12-28T)

Chain	CN-HG40
Brake levers	V-Brake Alloy
Rims	Alloy Double Wall
Tires	Kenda 20*1,75 Reflex
Hubs	Shimano Dinamo
Spokes	Stainless Steel
Saddle	Emotion Comfort Light
Seat Clamp	Quick Release
Seatpost	Alloy 31,6MM
Handlebar	Alloy
Grips	Ergonomic
Pedals	Folding
Weight	22,5 Kg

Technology

System	NEO RDS
Battery	Samsung 324 Wh (36 V / 9 Ah)
Motor	"Brushless" 350 W
Distance	Up to 90 km
Display	LCD Emotion remov.
Display bag	✓
Upgrade kits	GPS Anti-theft System Mobile Android App Light Kit

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector, bell and wheel reflector
Lighting	Headlight: Spanninga Kendo Rear light: LED Herrmans Google, Rear reflector: Rear Light Integrated

colors	code
	N11

Foldable



35

Electric SERIES

Volt sport EN263

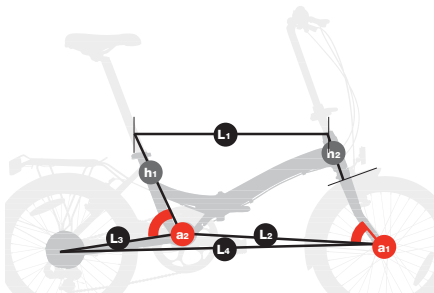


- Frame NEO Volt Alloy 20" Foldable
- Rear Shock -
- Fork HI-TEN
- Stem Telescopic
- Headset Integrated
- Shift levers Shimano Alivio
- Rear Derailleur Shimano RD-2300 8SP
- Front Derailleur -
- Crank Set SR Suntour 48T
- B.B Set Integrated
- Cassette Shimano HG51 8SP (11-28T)

- Chain CN-HG40
- Brake levers Tektro E-COMP 160MM
- Rims Alloy Double Wall
- Tires Kenda 20"1,95 Reflex
- Hubs Shimano
- Spokes Stainless Steel
- Saddle Emotion Comfort Light
- Seat Clamp Quick Release
- Seatpost Alloy 31,6MM
- Handlebar Alloy
- Grips Ergonomic
- Pedals Folding
- Weight 21,5 Kg

Technology

- System NEO RDS
- Battery Samsung 324 Wh (36 V / 9 Ah)
- Motor "Brushless" 350 W
- Distance Up to 90 km
- Display LCD Emotion remov.
- Display bag ✓
- Upgrade kits GPS Anti-theft System, Mobile Android App, Light Kit



Dimensions in mm.

Size	h1	h2	L1	L2	L3	L4	a1	a2	Total
MD	280	175	675	680	403	1.080	74	73	1.580

colors	code
	005

Accessories Chain guard, fenders, kickstand, chainstay protector, bell and wheel reflector

1000 x 900 x 350 mm.



MTB



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Electric SERIES

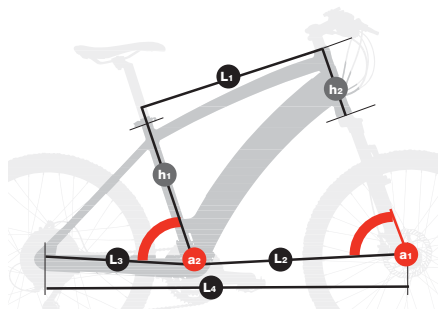
Jumper EN663

- Frame NEO Jumper 26" Alloy Full Suspension
- Rear Shock Suntour Epicon Lord 120
- Fork Rock SHOX XC32
- Stem Emotion Cross
- Headset Integrated
- Shift levers Shimano Deore
- Rear Derailleur Shimano XT 10SP
- Front Derailleur Shimano Deore 3SP
- Crank Set Shimano Deore 3SP
- B.B Set Integrated
- Cassette Shimano HG62 10SP (011-36T)

- Chain Shimano HG54
- Brake levers Tektro E-COMP 160MM
- Rims Alloy Double Wall
- Tires Swchalbe Rapid Rob 26*2,2
- Hubs Shimano
- Spokes Stainless Steel
- Saddle Emotion Cross
- Seat Clamp Quick Release
- Seatpost Alloy 31,6MM
- Handlebar Emotion Cross Alloy
- Grips Ergonomic
- Pedals Alloy Antislip
- Weight 22,4 Kg

Technology

- System NEO RDS
- Battery Samsung 324 Wh (36 V / 9 Ah)
- Motor "Brushless" 350 W
- Distance Up to 90 km
- Display LCD Emotion remov.
- Display bag ✓
- Upgrade kits GPS Anti-theft System
Mobile Android App
Light Kit



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	460	195	578	678	450	1.122	70	73	1.772

colors code



005

Accessories Chainstay protector, bell and wheel reflector



38

Electric SERIES

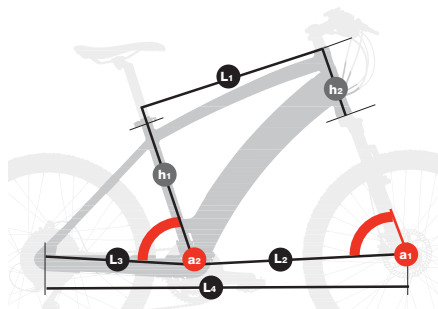
Xtrem EN603

Frame	NEO Xtrem Alloy 26"
Rear Shock	-
Fork	Suntour XCT MLO
Stem	Emotion Cros
Headset	Integrated
Shift levers	Shimano Alivio
Rear Derailleur	Shimano Alivio 8SP
Front Derailleur	Shimano Alivio 3SP
Crank Set	Shimano Alivio 3SP
B.B Set	Integrated
Cassette	Shimano HG41 8SP (11-32T)

Chain	Shimano HG40
Brake levers	Tektro E-COMP 160MM
Rims	Alloy Double Wall
Tires	Continental Explorer 26" 2,25
Hubs	Shimano
Spokes	Stainless Steel
Saddle	Emotion Cross
Seat Clamp	Quick Release
Seatpost	Alloy 31,6
Handlebar	Emotion Cross Alloy
Grips	Ergonomic
Pedals	Alloy Antislip
Weight	19,8 Kg

Technology

System	NEO RDS
Battery	Samsung 324 Wh (36 V / 9 Ah)
Motor	"Brushless" 350 W
Distance	Up to 90 km
Display	LCD Emotion remov.
Display bag	✓
Upgrade kits	GPS Anti-theft System Mobile Android App Light Kit



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	490	205	578	666	450	1.112	70	73	1.762

colors	code
	431 - MATT

Accessories Chainstay protector, bell and wheel reflector

Cross-country



39

Electric SERIES

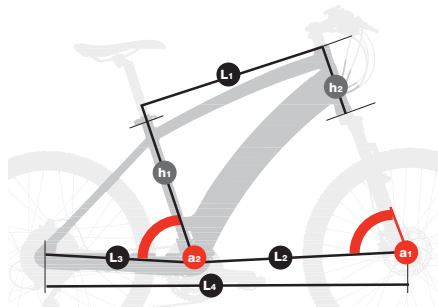
Cross EN703

- Frame NEO Cross Alloy 28"
- Rear Shock -
- Fork Suntour NEX4610 HLO
- Stem Emotion Cross
- Headset Integrated
- Shift levers Shimano Alivio 8SP
- Rear Derailleur Shimano Alivio 8SP
- Front Derailleur Shimano Alivio 3SP
- Crank Set Shimano Alivio 3SP
- B.B Set Integrated
- Cassette Shimano HG41 8SP (11-32T)

- Chain Shimano HG40
- Brake levers Tektro E-COMP 160MM
- Rims Alloy Double Wall
- Tires Kenda 198 700*38C
- Hubs Shimano
- Spokes Stainless Steel
- Saddle Emotion Cross
- Seat Clamp Quick Release
- Seatpost Alloy 31,6MM
- Handlebar Emotion Cross Alloy
- Grips Ergonomic
- Pedals Alloy Antislip (11-32T)
- Weight 19,8 Kg


Technology

- System NEO RDS
- Battery Samsung 324 Wh (36 V / 9 Ah)
- Motor "Brushless" 350 W
- Distance Up to 90 km
- Display LCD Emotion remov.
- Display bag ✓
- Upgrade kits GPS Anti-theft System
Mobile Android App
Light Kit



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	500	195	578	665	450	1.107	70	73	1.807
LA	550	195	574	665	450	1.107	70	73	1.807

colors	code
	431 - MATT

Accessories Kickstand, chainstay protector, bell and wheel reflector

electric series

NEO
MTB



40

Electric SERIES

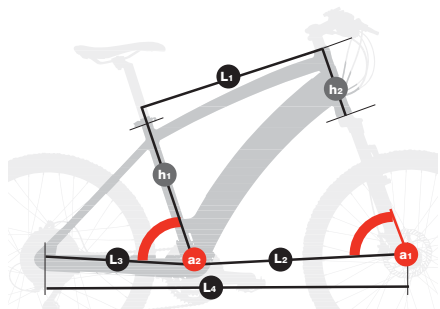
29" EN763

Frame	NEO 29ER Alloy
Rear Shock	-
Fork	Suntour XCR-MLO
Stem	Emotion Cross
Headset	Integrated
Shift levers	Shimano Deore
Rear Derailleur	Shimano Deore 10SP
Front Derailleur	Shimano Deore 3SP
Crank Set	Shimano Deore 3SP
B.B Set	Integrated
Cassette	Shimano HG62 10SP (011-36T)

Chain	Shimano HG54
Brake levers	Tektro E-COMP 160MM
Rims	Alloy Double Wall
Tires	Swchalbe Rapid Rob 29*2,25
Hubs	Shimano
Spokes	Stainless Steel
Saddle	Emotion Cross
Seat Clamp	Quick Release
Seatpost	Alloy 31,6MM
Handlebar	Emotion Cross Alloy
Grips	Ergonomic
Pedals	Alloy Antislip
Weight	22,4 Kg

Technology

System	NEO RDS
Battery	Samsung 324 Wh (36 V / 9 Ah)
Motor	"Brushless" 350 W
Distance	Up to 90 km
Display	LCD Emotion remov.
Display bag	✓
Upgrade kits	GPS Anti-theft System Mobile Android App Light Kit



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	175	175	578	674	455	1.126	70	73	1.926

colors	code
	005

Accessories Chainstay protector, bell and wheel reflector





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Electric SERIES

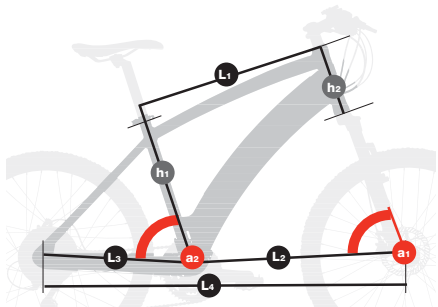
Carbon EN793

Frame	NEO Carbon
Rear Shock	-
Fork	XDS Carbon
Stem	Emotion Light
Headset	Integrated
Shift levers	Shimano Deore
Rear Derailleur	Shimano 105 10SP
Front Derailleur	Shimano Tiagra 3SP
Crank Set	FSA Vero JIS 3SP
B.B Set	Integrated
Cassette	Shimano 105 10SP (11-25T)

Chain	Shimano CN4601
Brake levers	Tektro E-COMP 160MM
Rims	Alloy Double Wall
Tires	Kenda 198 700*32C
Hubs	Shimano
Spokes	Stainless Steel
Saddle	Emotion Perform
Seat Clamp	Quick Release
Seatpost	Carbon 31,6MM
Handlebar	Emotion Carbon
Grips	Ergonomic
Pedals	Alloy Antislip
Weight	18,9 Kg

Technology

System	NEO RDS
Battery	Samsung 324 Wh (36 V / 9 Ah)
Motor	"Brushless" 350 W
Distance	Up to 90 km
Display	LCD Emotion remov.
Display bag	✓
Upgrade kits	GPS Anti-theft System Mobile Android App Light Kit



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	490	195	599	711	450	1.158	67	71	1.858

colors	code
	C04 - MATT

Accessories Kickstand, chainstay protector, bell and wheel reflector

Road



43

Electric SERIES

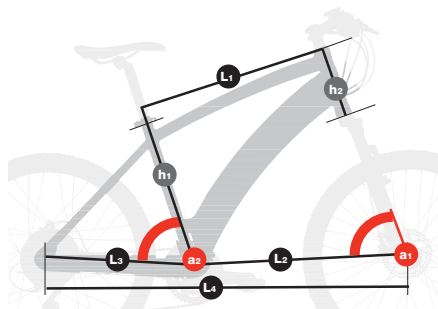
Race EN803

- Frame NEO Race Alloy
- Rear Shock -
- Fork XDS Carbono
- Stem Emotion Light
- Headset Integrated
- Shift levers Shimano 105
- Rear Derailleur Shimano 105 10SP
- Front Derailleur Shimano Tiagra
- Crank Set FSA Vero JIS 3SP
- B.B Set Integrated
- Cassette Shimano 105 10SP (11-25T)

- Chain Shimano CN-4601
- Brake levers V-Brake Alloy - Shimano BRM 422
- Rims Alloy Double Wall
- Tires Continental 700*25C Supersport Plus
- Hubs Shimano
- Spokes Stainless Steel
- Saddle Emotion Perform
- Seat Clamp Alloy
- Seatpost Alloy 31,6MM
- Handlebar Emotion Lite
- Grips Ergonomic
- Pedals Marwi Alloy
- Weight 19,4 Kg

Technology

- System NEO RDS
- Battery Samsung 324 Wh (36 V / 9 Ah)
- Motor "Brushless" 350 W
- Distance Up to 90 km
- Display LCD Emotion remov.
- Display bag ✓
- Upgrade kits GPS Anti-theft System
Mobile Android App
Light Kit



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	490	195	599	701	430	1.123	70	74	1.823

colors	code
	005

Accessories Bell



**The smoothest and most fluid pedalling.
The BH bicycles with IBS Bosch technology are the most complete hybrid bikes in the market.
Discover its smooth and fluid pedalling thanks to the twelve assistance options offered.**

technology

IBS BOSCH



IBS

Tireless in long routes

The BH pedal assistance system with IBS Bosch technology allows you to choose from twelve types of electric assistance, thus providing smooth pedalling in any type of route. In addition, you can choose between two types of batteries, on the rack or on the bottle cage, so you can travel further and with more autonomy.



electric
series



BOSCH

IBS Bosch bicycles also include a cadence sensor that optimises the assistance levels. And you can also use them as a conventional bike.

IBS®

Less noise, less heat

The Easy Motion models with IBS Bosch technology include a 250 W compact motor with "Brushless" technology that reduces to a minimum noise levels, the emission of heat and most importantly the amount of friction when using it as a conventional bicycle.

Twelve types of assistance

In IBS Bosch bicycles, you can choose from four assistance modes. In addition, each mode has three different levels. Therefore, you have an extensive menu of options with 12 types of assistance. The pedal assistance selection is carried out by means of an extractable LCD display located on the handlebar.

Ride Mode	ECO	
N1	1:0.3	Obtain 30% extra power in every turn of the pedal (in N1), 60% more (in N2) or 90% more (in N3).
N2	1:0.6	
N3	1:0.9	
Trip Mode	TOUR	
N1	1:0.5	Obtain 55% extra power in every turn of the pedal (in N1), double (in N2) or 110% more (in N3).
N2	1:1	
N3	1:1.6	
Sport Mode	SPORT	
N1	1:0.55	Obtain 55% extra power in every turn of the pedal (in N1), 110% more (in N2) or treble (in N3).
N2	1:1.1	
N3	1:2	
Fast Mode	SPEED	
N1	1:0.6	Obtain 60% extra power in every turn of the pedal (in N1), 130% more (in N2) or 250% more (in N3).
N2	1:1.3	
N3	1:2.5	

The battery and autonomy

The battery used in these Easy Motion bicycles can be charged comfortably by connecting it to the mains. The 300 Wh and 400 Wh Ion Lithium batteries have a useful life while being used at 100% of around 35,000 and it is then capable of retaining 80% of its charge. All this allows enjoying an autonomy of up to 150 km, depending on the use mode.

For all tastes and all types of terrain

The Easy Motion bicycles with IBS Bosch technology can be used on any type of terrain. There are models for travelling through the city, MTB models and cross-country models.

In any of the two battery options, on the rack or the bottle cage, the geometry of a conventional bicycle is kept.





IBS BOSCH

IBS BOSCH

IBS BOSCH Integrated Bottom Bracket System



Bosch 300 Wh (36 V / 8,4 Ah)



"Brushless" 250 W



Up to 100 km

Tireless in long routes



49

Xenion epoque

- Alloy Hydrof. 28" City wave
- SR Suntour CR 8V Lock
- Shimano V-Brake
- Shimano Nexus 8SP
- 44T
- Rubena 700*35
- Shimano Dinamo
- MD / LA
- kg 24,4

EB513

Xenion city

- Alloy Hydrof. 28" City wave
- Suntour CR 8V
- Shimano V-Brake
- Shimano Alivio 8SP
- 44T
- Rubena 700*35
- Shimano Dinamo
- MD / LA
- kg 23,9

EB413



Xenion 700

- Alloy Hydrof. 28" Cross
- Suntour NEX4610HLO
- Shimano M395
- Shimano XT 10SP
- 44T
- Rubena 700*35
- Alloy
- MD / LA
- kg 19,9

EB703

Xenion 650

- Alloy Hydrof. 26" Cross
- Suntour XCM HLO
- Shimano M395
- Shimano Deore 9SP
- 44T
- Charybdis 26x2
- Alloy
- MD
- kg 19,9

EB603

* Plus models: battery 400 Wh (36 V / 11 Ah) and distance till 130 km.



50

Electric SERIES

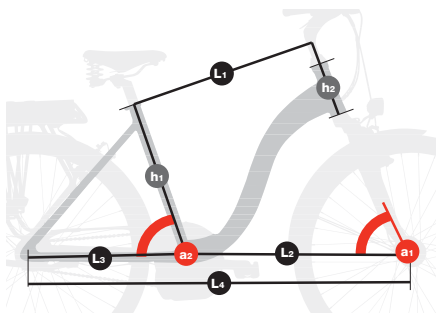
Xenion epoque EB513

Frame	Alloy Hydrof. 28" City Wave
Rear Shock	-
Fork	SR Suntour CR 8V Lock
Stem	Alloy Auto Adjustable
Headset	Integrated
Shift levers	Shimano Nexus
Rear Derailleur	Shimano Nexus 8SP
Front Derailleur	-
Crank Set	44T
B.B Set	-
Cassette	Shimano Nexus 8SP (19T)

Chain	KMC Z51
Brake levers	Shimano V-Brake
Rims	Alloy Double Wall
Tires	Rubena 700*35
Hubs	Shimano Dinamo
Spokes	Stainless Steel
Saddle	Brooks flyer
Seat Clamp	Alloy
Seatpost	Alloy 31,6MM
Handlebar	Emotion Cross Alloy
Grips	Brooks
Pedals	Alloy Safety Pedal
Weight	24,4 Kg

Technology

System	IBS BOSCH
Battery	Bosch 400 Wh (36 V / 11 Ah)
Motor	"Brushless" 250 W
Distance	Up to 130 km
Display	LCD Bosch
Display bag	-



Dimensions in mm.

Size	h1	h2	L1	L2	L3	L4	a1	a2	Total
MD	470	160	587	650	458	1.113	70	70	1.813
LA	530	170	624	679	458	1.132	70	70	1.813

colors code

B32 - MATT

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector, bell and wheel reflector
Lighting	Headlight: LED Herrmans Goggle, Rear light: LED Spanninga Brasa, Rear reflector: Rear Light Integrated

City



51

Electric SERIES

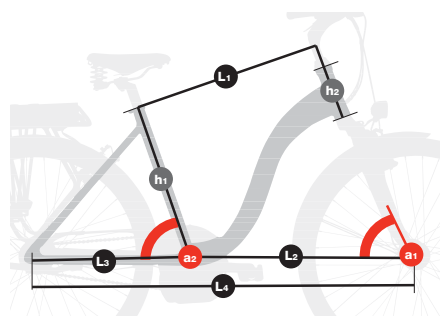
Xenion city EB413

Frame	Alloy Hydrof. 28" City Wave
Rear Shock	-
Fork	Suntour CR 8V
Stem	Alloy Adjustable
Headset	Integrated
Shift levers	Shimano Altus
Rear Derailleur	Shimano Alivio 8SP
Front Derailleur	-
Crank Set	44T
B.B Set	-
Cassette	Shimano HG41 8SP (11-32T)

Chain	KMC Z51
Brake levers	Shimano V-Brake
Rims	Alloy Double Wall
Tires	Rubena 700*35
Hubs	Shimano Dinamo
Spokes	Stainless Steel
Saddle	Emotion Confort
Seat Clamp	Alloy
Seatpost	Alloy 31,6MM
Handlebar	Emotion Cross Alloy
Grips	Ergonomic
Pedals	Alloy Safety Pedal
Weight	23,9 Kg

Technology

System	IBS BOSCH
Battery	Bosch 400 Wh (36 V / 11 Ah)
Motor	"Brushless" 250 W
Distance	Up to 130 km
Display	LCD Bosch
Display bag	-



Dimensions in mm.

Size	h1	h2	L1	L2	L3	L4	a1	a2	Total
MD	470	160	587	650	458	1.113	70	70	1.813
LA	530	170	624	679	458	1.132	70	70	1.813

colors	code
	611

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector, bell and wheel reflector
Lighting	Headlight: LED Herrmans Goggle, Rear light: LED Spanninga Brasa, Rear reflector: Rear Light Integrated



52

Electric SERIES

Xenion 700 EB703

- Frame Alloy Hydrof. 28" Cross
- Rear Shock -
- Fork Suntour NEX4610HLO
- Stem Emotion Cross
- Headset Integrated
- Shift levers Shimano Deore
- Rear Derailleur Shimano XT 10SP
- Front Derailleur -
- Crank Set 44T
- B.B Set -
- Cassette Shimano HG62 10SP (11-36T)

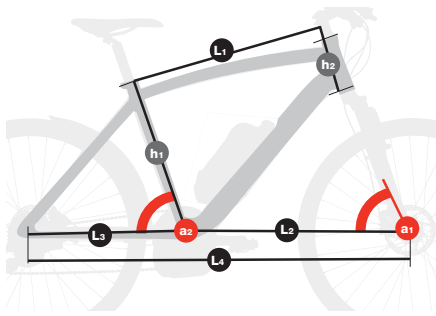
- Chain KMC DX10
- Brake levers Shimano M395
- Rims Alloy Double Wall
- Tires Rubena 700*35
- Hubs Alloy
- Spokes Stainless Steel
- Saddle Prologo Kappa
- Seat Clamp Alloy
- Seatpost Alloy 31,6
- Handlebar Emotion Cross Alloy
- Grips Ergonomic
- Pedals Alloy Safety Pedal
- Weight 19,9 Kg

Technology

- System IBS BOSCH
- Battery Bosch 300 Wh (36 V / 8,4 Ah)
- Motor "Brushless" 250 W
- Distance Up to 100 km
- Display LCD Bosch
- Display bag -

Xenion Plus 700 EB723

- Battery Bosch 400 Wh (36 V / 11 Ah)
- Distance Up to 130 km



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	500	160	595	659	468	1.124	73	73	1.824
LA	550	170	625	684	458	1.149	73	73	1.849

colors	code
	431

Accessories Cranksetguard, fenders, kickstand, chainstay protector, bell and wheel reflector

MTB



53

Electric SERIES

Xenion 650 EB603

- Frame Alloy Hydrof. 26" Cross
- Rear Shock -
- Fork Suntour XCM HLO
- Stem Emotion Cross
- Headset Integrated
- Shift levers Shimano Alivio
- Rear Derailleur Shimano Deore 9SP
- Front Derailleur -
- Crank Set 44T
- B.B Set -
- Cassette Shimano HG50 9SP (11-32T)

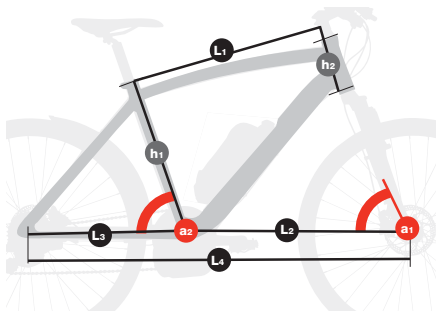
- Chain KMC Z99
- Brake levers Shimano M395
- Rims Alloy Double Wall
- Tires Charybdis 26x2
- Hubs Alloy
- Spokes Stainless Steel
- Saddle Emotion Cross
- Seat Clamp Alloy
- Seatpost Alloy 31,6MM
- Handlebar Emotion Cross Alloy
- Grips Ergonomic
- Pedals Alloy Safety Pedal
- Weight 19,9 Kg

Technology

- System IBS BOSCH
- Battery Bosch 300 Wh (36 V / 8,4 Ah)
- Motor "Brushless" 250 W
- Distance Up to 100 km
- Display LCD Bosch remov.
- Display bag -


Xenion Plus 650 EB623

- Battery Bosch 400 Wh (36 V / 11 Ah)
- Distance Up to 130 km



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	470	160	577	645	450	1.095	71	72	1.745

colors	code
	431 - MATT

Accessories Cranksetguard, chainstay protector, bell and wheel reflector



The IBS Panasonic technology, which is the result of a joint effort between BH and Panasonic, distributes the weight of the electrical elements in a balanced and optimum way. The result is a reliable and stable bicycle, so you can pedal with full confidence.

technology

IBS PANASONIC



IBS PANASCO

Constant and fluid pedalling

This technology integrates the motor, the control unit and the torque sensor into a compact unit located next to the pedals.

electric
series



ONIC

IBS[®]

Less noise, less heat

Thanks to this design, the motor of IBS Panasonic models apply the power directly on the chain, simulating a constant and fluid pedalling. The 250 W compact motor with "Brushless" technology reduces to a minimum noise levels, the emission of heat and most importantly the amount of friction when using it as a conventional bicycle. That is, there is no resistance when pedalling without any electric assistance.



The extractable battery is located under the seat to help transfer the centre of gravity in a low and central position with the aim of improving its stability and handling.

Three types of assistance

The IBS Panasonic models allow choosing from three pedal assistance modes. The selection is carried out from an LCD or LED display located on the handlebar, where you can also check the speed, time, distance, battery charge level and lighting.

Ride Mode	ECO
1:0.7	Obtain 70% extra power in each turn of the pedal.
Trip Mode	STANDARD
1:1.4	Obtain 140% extra power in each turn of the pedal.
Sport Mode	SPORT
1:2.1	Double the power in each turn of the pedal.



The battery and autonomy

The battery used in these Easy Motion bicycles is located under the seat, is extractable and can be charged comfortably by connecting it to the mains. The battery is a Ion Lithium battery with a useful life while being used at 100% of around 30,000 km, and it is then capable of retaining 80% of its charge.

You can choose between three types of battery, which allow you to enjoy an autonomy of up to 150 km, depending on the assistance mode chosen.

- 208 Wh (26 V / 8 Ah)
- 288 Wh (36 V / 8 Ah)
- 475.2 Wh (36 V / 13.2 Ah)

GPS Anti-theft System

Some models include an anti-theft system on the rear wheel and a standardised padlock.



For the mountains, city and road

The Easy Motion models with IBS Panasonic technology are ideal for travelling through the city, going on a trip or enjoying mountain routes. There are models for travelling through the city, foldable models, road models, MTB models and cross-country models.



IBS PANASONIC

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IBS PANASONIC

IBS PANASONIC

Integrated Bottom Bracket System



Panasonic



Panasonic



Panasonic 208 Wh (26 V / 8 Ah)
288 Wh (36 V / 8 Ah)



"Brushless" 250 W



Up to 80 km
100 km

Constant and fluid pedalling



Diamond wave



Alloy Hydrof. 28" City wave



Suntour CR 8V Lock

EP513



V-Brake Alloy



Shimano Nexus 8SP



41T



Kenda 700*40



MD / LA



24,7

Diamond EP503



Alloy Hydrof. 28" City wave



Suntour CR 8V Lock



V-Brake Alloy



Shimano Nexus 8SP



41T



Kenda 700*40



MD / LA



24,7

* Plus models: battery 476 Wh (36 V / 13,2 Ah) and distance till 150 km.



City wave * Alloy Hydraf. 28" City wave
 41T MD / LA / XL
 Suntour CR 8V Rubena 700*35 kg 23,1
 EP413 V-Brake Alloy Shimano Dinamo
 Shimano Alivio 8SP

City * Alloy Hydraf. 28" City 41T MD / LA / XL
 EP403 Suntour CR 8V Rubena 700*35 kg 23,1
 V-Brake Alloy Shimano Dinamo
 Shimano Alivio 8SP



Street Alloy Hydraf. 26" City wave
 EP313 Suntour M3010
 V-Brake Alloy Shimano Dinamo
 Shimano TX35 7SP
 41T MD
 Kenda 26*1,75 Reflex kg 22,5

Volt Alloy 20" Foldable 41T MD
 EP253 HI-TEN Kenda 20*1,75 Reflex kg 21,4
 V-Brake Alloy Shimano Dinamo
 Shimano Nexus 8SP



Pixo Alloy 20" Foldable 2 41T MD
 EP233 HI-TEN CS 20*1,5 Reflex kg 20,9
 V-Brake Alloy Shimano Dinamo
 RD-2300

Prox Alloy 20" 41T MD
 EP203 HI-TEN Kenda 20*1,75 Reflex kg 20,4
 V-Brake Alloy Shimano Dinamo
 Shimano Nexus 8SP

* Plus models: battery 476 Wh (36 V / 13,2 Ah) and distance till 150 km.



- Offroad 650** *
EP603
- Alloy 26" MTB
 - SR Suntour XCM HLO
 - V-Brake Alloy
 - Shimano Alivio 8SP
 - 41T
 - Charybdis 26x2
 - Alloy
 - MD
 - kg 19,6



- Max 700** *
EP703
- Alloy Hidrof. 28" Cross
 - Suntour Swing Shock
 - Shimano M395
 - Shimano Deore 10SP
 - 41T
 - Rubena 700*35
 - Alloy
 - MD / LA
 - kg 19,6

60



- Max 700 mix** *
EP713
- Alloy Hidrof. 28" Cross Mix
 - Suntour Swing Shock
 - Shimano M395
 - Shimano Deore 10SP
 - 41T
 - Rubena 700*35
 - Alloy
 - MD
 - kg 19,6



- Sport** *
EP803
- Alloy Hidrof. 700 Sport
 - Carbon
 - Shimano V-Brake
 - Shimano Tiagra 10SP
 - 41T
 - Rubena 700*25 Syrinx
 - Shimano
 - MD / LA
 - kg 19,6



- Sport mix** *
EP813
- Alloy Hidrof. 700 Sport Mix
 - Carbon
 - Shimano V-Brake
 - Shimano Tiagra 10SP
 - 41T
 - Rubena 700*25 Syrinx
 - Shimano
 - MD
 - kg 19,6



- Carbon** *
EP843
- Carbon 700
 - Carbon
 - Shimano V-Brake
 - Shimano 105 10SP
 - 41T
 - Rubena 700*25 Syrinx
 - Shimano
 - MD
 - kg 15,9

* Plus models: battery 476 Wh (36 V / 13,2 Ah) and distance till 150 km.





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Electric SERIES

Diamond wave EP513

Frame	Alloy Hydrof. 28" City Wave
Rear Shock	-
Fork	Suntour CR 8V Lock
Stem	Satori Easy Up
Headset	Integrated
Shift levers	Shimano Nexus
Rear Derailleur	Shimano Nexus 8SP
Front Derailleur	-
Crank Set	41T
B.B Set	-
Cassette	Shimano Nexus 8SP (19T)

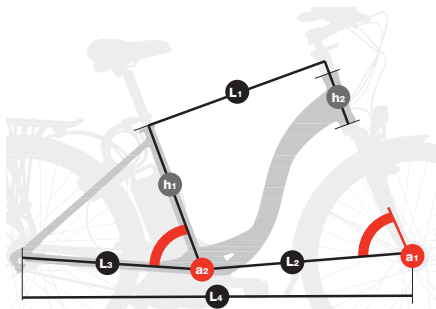
Chain	KMC Z51
Brake levers	V-Brake Alloy
Rims	Alloy Double Wall
Tires	Kenda 700*40
Hubs	Shimano Dinamo
Spokes	Stainless Steel
Saddle	Emotion Comfort
Seat Clamp	Alloy
Seatpost	Alloy 31,6MM
Handlebar	Emotion City Alloy
Grips	Ergonomic
Pedals	Alloy Safety Pedal
Weight	24,7 Kg

Technology

System	IBS PANASONIC
Battery	Panasonic 288 Wh (36 V / 8 Ah)
Motor	"Brushless" 250 W
Distance	Up to 100 km
Display	LED Panasonic
Display bag	-

Diamond Plus wave EP533

Battery	Panasonic 476 Wh (36 V / 13,2 Ah)
Distance	Up to 150 km



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	480	160	569	650	524	1.174	70	71	1.874
LA	540	170	603	680	524	1.204	70	71	1.904

colors	code
	005

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector, bell and wheel reflector
Lighting	Headlight: Spanninga Kendo, Rear light: LED Spanninga Brasa, Rear reflector: Rear Light Integrated

City



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Electric SERIES

Diamond EP503

- Frame Alloy Hydrof. 28" City
- Rear Shock -
- Fork Suntour CR 8V Lock
- Stem Satori Easy Up
- Headset Integrated
- Shift levers Shimano Nexus
- Rear Derailleur Shimano Nexus 8SP
- Front Derailleur -
- Crank Set 41T
- B.B Set -
- Cassette Shimano Nexus 8SP (19T)

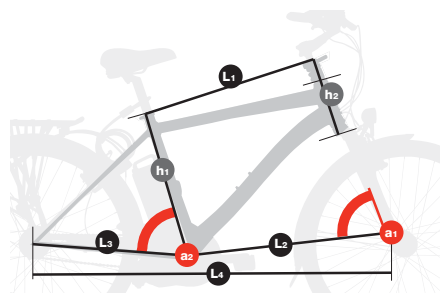
- Chain KMC Z51
- Brake levers V-Brake Alloy
- Rims Alloy Double Wall
- Tires Kenda 700*40
- Hubs Shimano Dinamo
- Spokes Stainless Steel
- Saddle Emotion Comfort
- Seat Clamp Alloy
- Seatpost Alloy 31,6MM
- Handlebar Emotion City Alloy
- Grips Ergonomic
- Pedals Alloy Safety Pedal
- Weight 24,7 Kg

Technology

- System IBS PANASONIC
- Battery Panasonic 288 Wh (36 V / 8 Ah)
- Motor "Brushless" 250 W
- Distance Up to 100 km
- Display LED Panasonic
- Display bag -

Diamond Plus EP523

- Battery Panasonic 476 Wh (36 V / 13,2 Ah)
- Distance Up to 150 km



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	500	152	589	659	525	1.184	73	74	1.884
LA	550	167	619	684	525	1.209	73	74	1.909

colors code



005

Accessories Chain guard, fenders, carrier, kickstand, chainstay protector, bell and wheel reflector

Lighting Headlight: Spanninga Kendo, Rear light: LED Spanninga Brasa, Rear reflector: Rear Light Integrated



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Electric SERIES

City wave EP413

Frame	Alloy Hydrof. 28" City Wave
Rear Shock	-
Fork	Suntour CR 8V
Stem	Alloy Adjustable
Headset	Integrated
Shift levers	Shimano Altus
Rear Derailleur	Shimano Alivio 8SP
Front Derailleur	-
Crank Set	41T
B.B Set	-
Cassette	Shimano HG50 8SP (11-32T)

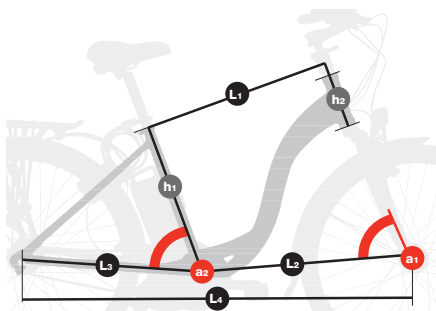
Chain	KMC Z51
Brake levers	V-Brake Alloy
Rims	Alloy Double Wall
Tires	Rubena 700*35
Hubs	Shimano Dinamo
Spokes	Stainless Steel
Saddle	Emotion Comfort
Seat Clamp	Alloy
Seatpost	Alloy 31,6MM
Handlebar	Emotion City Alloy
Grips	Ergonomic
Pedals	Alloy Safety Pedal
Weight	23,1 Kg

Technology

System	IBS PANASONIC
Battery	Panasonic 288 Wh (36 V / 8 Ah)
Motor	"Brushless" 250 W
Distance	Up to 100 km
Display	LED Panasonic
Display bag	-


City Plus wave EP433

Battery	Panasonic 476 Wh (36 V / 13,2 Ah)
Distance	Up to 150 km



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	480	160	569	650	524	1.174	70	71	1.874
LA	540	170	603	680	524	1.204	70	71	1.904
XL	600	167	601	650	525	1.175	73	74	1.875

colors	code
	611

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector, bell and wheel reflector
Lighting	Headlight: Spanninga Kendo, Rear light: LED Spanninga Brasa, Rear reflector: Rear Light Integrated

City



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Electric SERIES

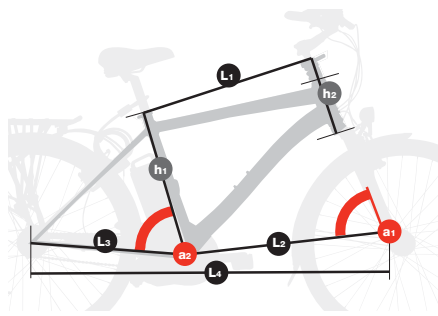
City EP403

- Frame Alloy Hydrof. 28" City
- Rear Shock -
- Fork Suntour CR 8V
- Stem Alloy Adjustable
- Headset Integrated
- Shift levers Shimano Altus
- Rear Derailleur Shimano Alivio 8SP
- Front Derailleur -
- Crank Set 41T
- B.B Set -
- Cassette Shimano HG50 8SP (11-32T)

- Chain KMC Z51
- Brake levers V-Brake Alloy
- Rims Alloy Double Wall
- Tires Rubena 700*35
- Hubs Shimano Dinamo
- Spokes Stainless Steel
- Saddle Emotion Comfort
- Seat Clamp Alloy
- Seatpost Alloy 31,6MM
- Handlebar Emotion City Alloy
- Grips Ergonomic
- Pedals Alloy Safety Pedal
- Weight 23,1 Kg

Technology

- System IBS PANASONIC
- Battery Panasonic 288 Wh (36 V / 8 Ah)
- Motor "Brushless" 250 W
- Distance Up to 100 km
- Display LED Panasonic
- Display bag -



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	500	152	541	610	503	1.135	73	74	1.835
LA	550	167	562	625	530	1.150	73	74	1.850
XL	570	170	623	694	524	1.218	70	71	1.918

colors	code
	611

- Accessories** Chain guard, fenders, carrier, kickstand, chainstay protector, bell and wheel reflector
- Lighting** Headlight: Spanninga Kendo, Rear light: LED Spanninga Brasa, Rear reflector: Rear Light Integrated

City Plus EP423

- Battery Panasonic 476 Wh (36 V / 13,2 Ah)
- Distance Up to 150 km



66

Electric SERIES

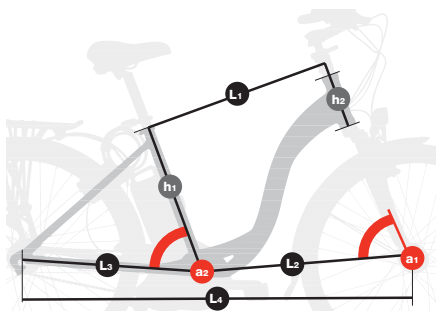
Street EP313

Technology

Frame	Alloy Hydrof. 26" City Wave
Rear Shock	-
Fork	Suntour M3010
Stem	Alloy Adjustable
Headset	Integrated
Shift levers	Shimano Tourney
Rear Derailleur	Shimano TX35 7SP
Front Derailleur	-
Crank Set	41T
B.B Set	-
Cassette	Shimano TZ21 7SP (14-28T)

Chain	KMC Z51
Brake levers	V-Brake Alloy
Rims	Alloy Double Wall
Tires	Kenda 26"1,75 Reflex
Hubs	Shimano Dinamo
Spokes	Stainless Steel
Saddle	Emotion Comfort
Seat Clamp	Alloy
Seatpost	Alloy 31,6MM
Handlebar	Emotion City Alloy
Grips	Ergonomic
Pedals	Alloy Safety Pedal
Weight	22,5 Kg

System	IBS PANASONIC
Battery	Panasonic 208 Wh (26 V / 8 Ah)
Motor	"Brushless" 250 W
Distance	Up to 80 km
Display	LED Panasonic
Display bag	-



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	450	152	554	630	511	1.135	69	68	1.785

colors	code
	N11

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector, bell and wheel reflector
Lighting	Headlight: Spanninga Kendo, Rear light: LED Spanninga Brasa, Rear reflector: Rear Light Integrated



Foldable



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Electric SERIES

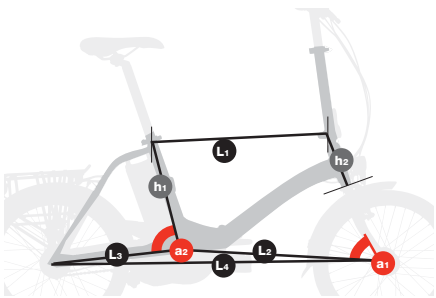
Volt EP253

Frame	Alloy 20" Foldable
Rear Shock	-
Fork	HI-TEN
Stem	Telescopic
Headset	Integrated
Shift levers	Shimano Nexus
Rear Derailleur	Shimano Nexus 8SP
Front Derailleur	-
Crank Set	41T
B.B Set	-
Cassette	Shimano Nexus 8SP (19T)

Chain	KMCZ51
Brake levers	V-Brake Alloy
Rims	Alloy Double Wall
Tires	Kenda 20"1,75 Reflex
Hubs	Shimano Dinamo
Spokes	Stainless Steel
Saddle	Emotion Comfort Light
Seat Clamp	Quick Release
Seatpost	Alloy 31,6MM
Handlebar	Alloy
Grips	Ergonomic
Pedals	Folding
Weight	21,4 Kg

Technology

System	IBS PANASONIC
Battery	Panasonic 208 Wh (26 V / 8 Ah)
Motor	"Brushless" 250 W
Distance	Up to 80 km
Display	LED Panasonic
Display bag	-



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	405	100	625	682	431	1.095	70	71	1.595

colors	code
	B16

1000 x 900 x 600 mm.

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector, bell and wheel reflector
Lighting	Headlight: Spanninga Kendo, Rear light: LED Herrmans Google, Rear reflector: Rear Light Integrated

Foldable



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Electric SERIES

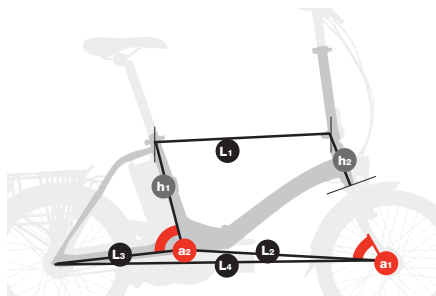
Pixo EP233

Frame	Alloy 20" Foldable 2
Rear Shock	-
Fork	HI-TEN
Stem	Telescopic
Headset	Integrated
Shift levers	Microshift Giratorio
Rear Derailleur	RD-2300
Front Derailleur	-
Crank Set	41T
B.B Set	-
Cassette	Shimano Tourney TZ20

Chain	Kmc Z51
Brake levers	V-Brake Alloy
Rims	Alloy Double Wall
Tires	CS 20*1,5 Reflex
Hubs	Shimano Dinamo
Spokes	Stainless Steel
Saddle	Emotion Comfort Light
Seat Clamp	Quick Release
Seatpost	Alloy 31,6
Handlebar	Alloy
Grips	Ergonomic
Pedals	Folding
Weight	20,9 Kg

Technology

System	IBS PANASONIC
Battery	Panasonic 208 Wh (26 V / 8 Ah)
Motor	"Brushless" 250 W
Distance	Up to 80 km
Display	LED Panasonic
Display bag	-



Dimensions in mm.

Size	h1	h2	L1	L2	L3	L4	a1	a2	Total
MD	405	100	625	682	431	1.095	70	71	1.595

colors	code
	431 - MATT

Accessories	Chain guard, fenders, kickstand, chainstay protector and bell
Lighting	Headlight: LED Herrmans H-Diver, Rear light: LED Herrmans Google, Rear reflector: Rear Light Integrated

 1000 x 900 x 600 mm.



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Electric SERIES

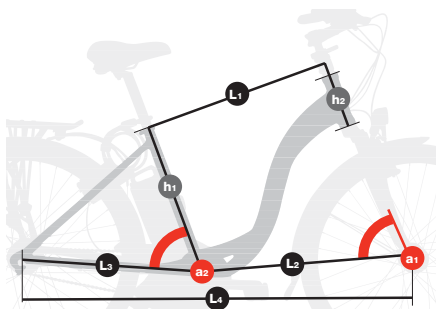
Prox EP203

- Frame Alloy 20"
- Rear Shock -
- Fork HI-TEN
- Stem Easy-Up 100MM
- Headset Integrated
- Shift levers Shimano Nexus
- Rear Derailleur Shimano Nexus 8SP
- Front Derailleur -
- Crank Set 41T
- B.B Set -
- Cassette Shimano Nexus 8SP (19T)

- Chain KMCZ51
- Brake levers V-Brake Alloy
- Rims Alloy Double Wall
- Tires Kenda 20"1,75 Reflex
- Hubs Shimano Dinamo
- Spokes Stainless Steel
- Saddle Emotion Comfort Light
- Seat Clamp Quick Release
- Seatpost Alloy 31,6MM
- Handlebar Alloy
- Grips Ergonomic
- Pedals Folding
- Weight 20,4 Kg

Technology

- System IBS PANASONIC
- Battery Panasonic 208 Wh (26 V / 8 Ah)
- Motor "Brushless" 250 W
- Distance Up to 80 km
- Display LED Panasonic
- Display bag -



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	405	100	625	682	431	1.095	70	71	1.595

colors	code
	431 - MATT

- Accessories** Chain guard, fenders, carrier, kickstand, chainstay protector, bell and wheel reflector
- Lighting** Headlight: LED Herrmans H-Diver, Rear light: LED Herrmans Google, Rear reflector: Rear Light Integrated





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Electric SERIES

Offroad 650 EP603

Frame	Alloy 26" MTB
Rear Shock	-
Fork	SR Suntour XCM HLO
Stem	Emotion Cross
Headset	Integrated
Shift levers	Shimano Altus
Rear Derailleur	Shimano Alivio 8SP
Front Derailleur	-
Crank Set	-
B.B Set	-
Cassette	Shimano H641 8SP (11-32T)

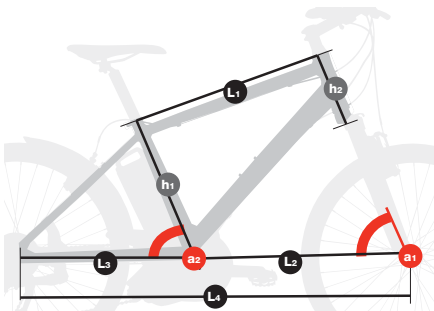
Chain	KMC Z51
Brake levers	V-Brake Alloy
Rims	Alloy Double Wall
Tires	Charybdis 26x2
Hubs	Alloy
Spokes	Stainless Steel
Saddle	Prologo Kappa
Seat Clamp	Alloy
Seatpost	Alloy 31,6
Handlebar	Emotion Cross Alloy
Grips	Ergonomic
Pedals	Alloy Safety Pedal
Weight	19,6 Kg

Technology

System	IBS PANASONIC
Battery	Panasonic 288 Wh (36 V / 8 Ah)
Motor	"Brushless" 250 W
Distance	Up to 100 km
Display	LED Panasonic
Display bag	-

Offroad Plus 650 EP623

Battery	Panasonic 476 Wh (36 V / 13,2 Ah)
Distance	Up to 150 km



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	440	165	545	610	503	1.135	70	67	1.785

colors	code
	431 - MATT

Accessories Chain guard, fenders, kickstand, chainstay protector, bell and wheel reflector

Cross-country



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Electric SERIES

Max 700 EP703

- Frame Alloy Hydrof. 28" Cross
- Rear Shock -
- Fork Suntour Swing Shock
- Stem Emotion Cross
- Headset Integrated
- Shift levers Shimano Deore
- Rear Derailleur Shimano Deore 10SP
- Front Derailleur -
- Crank Set 41T
- B.B Set -
- Cassette Shimano HG62 10SP (11-36T)

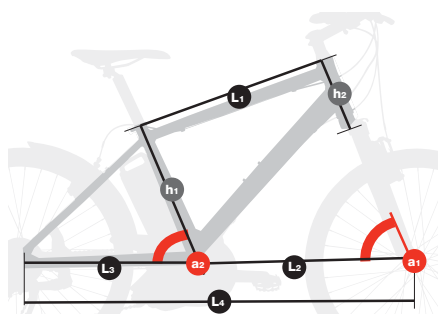
- Chain KMC DX10
- Brake levers Shimano M395
- Rims Alloy Double Wall
- Tires Rubena 700*35
- Hubs Alloy
- Spokes Stainless Steel
- Saddle Prologo Kappa
- Seat Clamp Alloy
- Seatpost Alloy 31,6
- Handlebar Emotion Cross Alloy
- Grips Ergonomic
- Pedals Alloy Safety Pedal
- Weight 19,6 Kg

Technology

- System IBS PANASONIC
- Battery Panasonic 288 Wh (36 V / 8 Ah)
- Motor "Brushless" 250 W
- Distance Up to 100 km
- Display LED Panasonic
- Display bag -

Max Plus 700 EP723

- Battery Panasonic 476 Wh (36 V / 13,2 Ah)
- Distance Up to 150 km



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	500	152	541	610	503	1.135	73	74	1.835
LA	550	167	562	625	530	1.150	73	74	1.850

colors	code
	431 - MATT

Accessories Chain guard, fenders, kickstand, chainstay protector, bell and wheel reflector

Cross-country



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Electric SERIES

Max 700 mix EP713

Frame	Alloy Hydrof. 28" Cross Mix
Rear Shock	-
Fork	Suntour Swing Shock
Stem	Emotion Cross
Headset	Integrated
Shift levers	Shimano Deore
Rear Derailleur	Shimano Deore 10SP
Front Derailleur	-
Crank Set	41T
B.B Set	-
Cassette	Shimano HG62 10SP (11-36T)

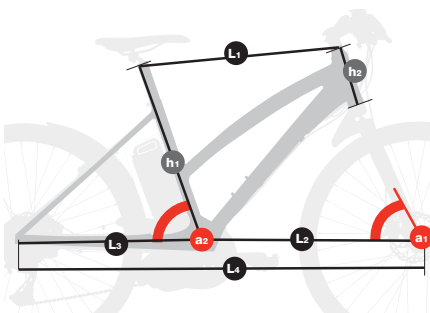
Chain	KMC DX10
Brake levers	Shimano M395
Rims	Alloy Double Wall
Tires	Rubena 700*35
Hubs	Alloy
Spokes	Stainless Steel
Saddle	Prologo Kappa
Seat Clamp	Alloy
Seatpost	Alloy 31,6
Handlebar	Emotion City Alloy
Grips	Ergonomic
Pedals	Alloy Safety Pedal
Weight	19,6 Kg

Technology

System	IBS PANASONIC
Battery	Panasonic 288 Wh (36 V / 8 Ah)
Motor	"Brushless" 250 W
Distance	Up to 100 km
Display	LED Panasonic
Display bag	-

Max Plus 700 mix EP733

Battery	Panasonic 476 Wh (36 V / 13,2 Ah)
Distance	Up to 150 km



Dimensions in mm.

Size	h1	h2	L1	L2	L3	L4	a1	a2	Total
MD	440	150	553	630	525	1.155	73	74	1.855

colors	code
	431 - MATT

Accessories Chain guard, fenders, kickstand, chainstay protector, bell and wheel reflector





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Electric SERIES

Sport EP803

Frame	Alloy Hidrof. 700 Sport
Rear Shock	-
Fork	Carbon
Stem	Emotion Lite
Headset	Integrated
Shift levers	Shimano Tiagra
Rear Derailleur	Shimano Tiagra 10SP
Front Derailleur	-
Crank Set	41T
B.B Set	-
Cassette	Shimano Tiagra 10SP (11-25T)

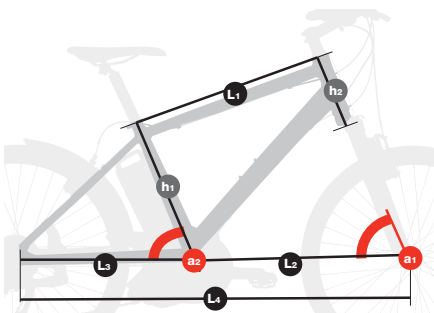
Chain	KMC DX10
Brake levers	Shimano V-Brake
Rims	Shimano WHR501
Tires	Rubena 700*25 Syrx
Hubs	Shimano
Spokes	Stainless Steel
Saddle	Emotion Perform
Seat Clamp	Alloy
Seatpost	Alloy 31,6
Handlebar	Emotion Lite
Grips	Ergonomic
Pedals	Marwi Alloy
Weight	19,6 Kg

Technology

System	IBS PANASONIC
Battery	Panasonic 288 Wh (36 V / 8 Ah)
Motor	"Brushless" 250 W
Distance	Up to 100 km
Display	LED Panasonic
Display bag	-

Sport Plus EP823

Battery	Panasonic 476 Wh (36 V / 13,2 Ah)
Distance	Up to 150 km



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	500	152	541	610	503	1.135	73	74	1.835
LA	550	167	562	625	530	1.150	73	74	1.850

colors code



005

Accessories Chain guard, fenders, chainstay protector, bell and wheel reflector

Road



77

Electric SERIES

Sport mix EP813

Frame	Alloy Hidrof. 700 Sport Mix
Rear Shock	-
Fork	Carbon
Stem	Emotion Lite
Headset	Integrated
Shift levers	Shimano Tiagra
Rear Derailleur	Shimano Tiagra 10SP
Front Derailleur	-
Crank Set	41T
B.B Set	-
Cassette	Shimano Tiagra 10SP (11-25T)

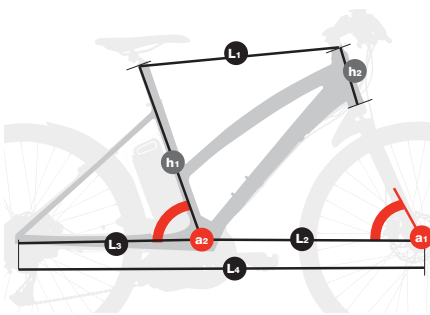
Chain	KMC DX10
Brake levers	Shimano V-Brake
Rims	Shimano WHR501
Tires	Rubena 700*25 Syrxn
Hubs	Shimano
Spokes	Stainless Steel
Saddle	Emotion Perform
Seat Clamp	Alloy
Seatpost	Alloy 31,6
Handlebar	Emotion Lite
Grips	Ergonomic
Pedals	Marwi Alloy
Weight	19,6 Kg

Technology

System	IBS PANASONIC
Battery	Panasonic 288 Wh (36 V / 8 Ah)
Motor	"Brushless" 250 W
Distance	Up to 100 km
Display	LED Panasonic
Display bag	-

Sport Plus mix EP833

Battery	Panasonic 476 Wh (36 V / 13,2 Ah)
Distance	Up to 150 km



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	440	150	553	630	525	1.155	73	74	1.855

colors	code
	MATT B33

Accessories Chain guard, fenders, chainstay protector, bell and wheel reflector



Road



79

Electric SERIES

Carbon EP843

- Frame Carbon 700
- Rear Shock -
- Fork Carbon
- Stem Emotion Lite
- Headset Integrated
- Shift levers Shimano 105
- Rear Derailleur Shimano 105 10SP
- Front Derailleur -
- Crank Set 41T
- B.B Set -
- Cassette Shimano 105 10SP (11-25T)

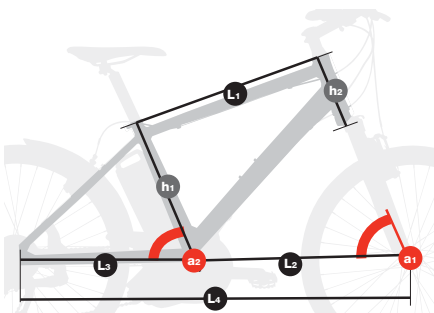
- Chain Shimano HG73
- Brake levers Shimano V-Brake
- Rims Shimano WHRS10
- Tires Rubena 700*25 Syrx
- Hubs Shimano
- Spokes Stainless Steel
- Saddle Emotion Perform
- Seat Clamp Alloy
- Seatpost Alloy 31,6
- Handlebar Emotion Lite
- Grips Ergonomic
- Pedals Marwi Alloy
- Weight 15,9 Kg

Technology

- System IBS PANASONIC
- Battery Panasonic 288 Wh (36 V / 8 Ah)
- Motor "Brushless" 250 W
- Distance Up to 100 km
- Display LCD Panasonic
- Display bag -

Carbon Plus carbon EP863

- Battery Panasonic 476 Wh (36 V / 13,2 Ah)
- Distance Up to 150 km

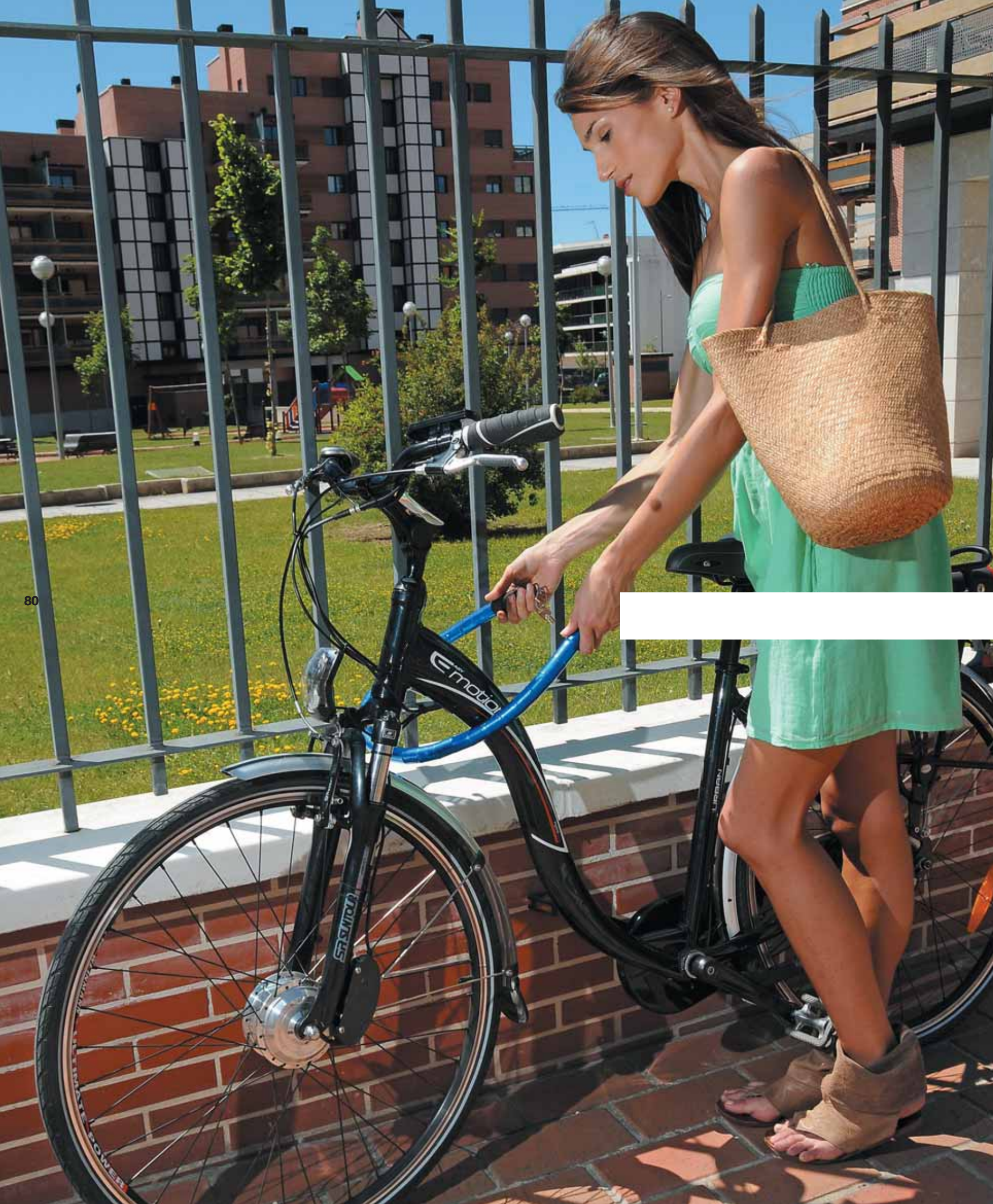


Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	490	145	504	582	509	1.090	71	72	1.790

colors	code
	C06

Accessories Chain guard, fenders, chainstay protector, bell and wheel reflector



The Easy Motion bicycles with FDS technology are perfect for travelling through the city in a comfortable way. Thanks to the electric motor located in the front wheel axle, you will immediately feel an instant response when you engage the motor's assistance for your enjoyable ride.

technology

FDS



FDS

Ideal for travelling through the city

The FDS system is technology that is completely and comprehensively developed by BH. It incorporates the motor in the front wheel axle, and has the torque sensor by the rear wheel.

electric
series



The motor's traction is applied directly on the front wheel, which provides you with a great driving sensation when starting.

FDS®

Pedalling with less effort

This system also includes a regeneration function that uses the wheel's inertia when braking to regenerate the battery, thus optimising your effort.

Use it as a conventional bicycle

The 250 W compact motor with brushless technology makes virtually no noise. The motor produces nearly no heat, and it cannot be felt when you are riding this bicycle as a conventional bicycle. That means there is no resistance when pedalling this bike without any pedal assistance.

Four types of assistance

In FDS Easy Motion bicycles, you can choose from four pedal assistance modes. The selection is carried out from an LCD or LED display located on the handlebar, where you can also accelerate, check the speed, time, distance and battery charge level as well as activate the lighting.

Ride Mode	ECO
1:0.7	Obtain 70% extra power in each turn of the pedal.
Trip Mode	STANDARD
1:1.4	Obtain 140% extra power in each turn of the pedal.
Sport Mode	SPORT
1:2	Double the power in each turn of the pedal.
Fast Mode	BOOST
1:2.5	A double and a half of extra power in each turn of the pedal.

The battery and autonomy

The 324 Wh (36 V / 9 Ah) battery used in these bicycles is located on the rear rack, is extractable and can be charged comfortably by connecting it to the mains.

The battery is a Ion Lithium battery with a useful life while being used at 100% of around 30,000 km, and it is then capable of retaining 20% of its charge. This allows enjoying an autonomy of up to 80 km.

Travel without having to pedal

If you are tired and you don't feel like pedalling any more, with these bicycles you will be able to ride at a speed of 6 km/h without having to exert any extra effort. All you have to do is push the accelerator button on the LCD display screen and the bicycle will start moving forward smoothly.

83

DISPLAY
LCD

Ideal for travelling through the city

The FDS Easy Motion bicycles are an ideal option to travel through the city with the added comfort of also having foldable models available, which are especially useful for storing the bike at home, as they occupy a minimum of space, or to take it on public transport.

STAND UP






Tricycle with an accelerator and a speed of up to 18 km/h (576 Wh 48 V / 12 Ah), perfect for moving around in enclosures (private use).

electric series



FDS

FDS

- FDS** Front Drive System
-  Emotion remov.
-  Emotion
-  Samsung 252 Wh (36 V / 7 Ah),
324 Wh (36 V / 9 Ah)
-  "Brushless" 250 W
-  Up to 60 km
90 km

Ideal for travelling through the city



- | | | | | | | |
|--------------------------------------|--|-----------------------------|--|---------------------|--|---------|
| Urban inner lux wave
EE573 | | Alloy Hydrof. 28" City wave | | SR Suntour 38T | | MD / LA |
| | | Suntour NEX 4610 | | Kenda 700*38 Reflex | | 23,6 |
| | | Shimano Coaster Brake | | Shimano | | ■ |
| | | Shimano Nexus 8SP | | | | |
| | | | | | | |



- | | | | | | | |
|-----------------------------|--|------------------------|--|---------------------|--|---------|
| Urban inner
EE503 | | Alloy Hydrof. 28" City | | Suntour 38T | | MD / LA |
| | | Suntour NEX 4610 | | Kenda 700*38 Reflex | | 23,6 |
| | | V-Brake Alloy | | Shimano | | ■ |
| | | Shimano Nexus 8SP | | | | |
| | | | | | | |



- | | | | | | | |
|----------------------------------|--|-----------------------------|--|---------------------|--|---------|
| Urban inner wave
EE513 | | Alloy Hydrof. 28" City wave | | SR Suntour 38T | | MD / LA |
| | | Suntour NEX 4610 | | Kenda 700*38 Reflex | | 23,6 |
| | | V-Brake Alloy | | Shimano | | ■ |
| | | Shimano Nexus 8SP | | | | |
| | | | | | | |



- | | | | | | | |
|--------------------------|--|-----------------------------|--|------------------|--|----|
| Eco wave
EE313 | | Alloy Hydrof. 26" City wave | | 44 T | | MD |
| | | HI-TEN | | Kenda 193 26*1,5 | | 22 |
| | | V-Brake Alloy | | Alloy | | ■ |
| | | Shimano TX35 6SP | | | | |
| | | | | | | |



- | | | | | | | |
|-----------------------|--|--------------------------|--|-----------------------|--|------|
| Smart
EE203 | | Smart Alloy 20" Foldable | | 44 T | | MD |
| | | HI-TEN | | CST 693 20*1,5 Reflex | | 20,4 |
| | | V-Brake Alloy | | Alloy | | □ |
| | | Shimano TX35 6SP | | | | |
| | | | | | | |



- | | | | | | | |
|--------------------------|--|------------|--|----|--|---|
| Stand Up
EE103 | | Disc Front | | 32 | | ■ |
| | | | | | | |

FDS
City



86

Electric SERIES

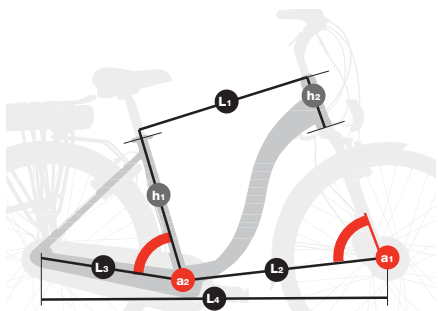
Urban inner lux wave EE573

Frame	Alloy Hydrof. 28" City Wave
Rear Shock	-
Fork	Suntour NEX 4610
Stem	Alloy Automatic Adjust
Headset	Integrated
Shift levers	Shimano Nexus
Rear Derailleur	Shimano Nexus 8SP
Front Derailleur	-
Crank Set	SR Suntour 38T
B.B Set	Integrated
Cassette	Shimano Nexus 8SP (16T)

Chain	KMC Z41
Brake levers	Shimano Coaster Brake
Rims	Alloy Double Wall
Tires	Kenda 700*38 Reflex
Hubs	Shimano
Spokes	Stainless Steel
Saddle	Emotion Comfort
Seat Clamp	Quick Release
Seatpost	Alloy 31,6MM
Handlebar	Emotion City Alloy
Grips	Ergonomic
Pedals	Alloy Antislip
Weight	23,6 Kg

Technology

System	FDS
Battery	Samsung 324 Wh (36 V / 9 Ah)
Motor	"Brushless" 250 W
Distance	Up to 90 km
Display	LCD Emotion remov.
Display bag	✓



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	420	150	532	633	460	1.085	70	75	1.785
LA	480	150	563	655	460	1.107	70	73	1.807

colors	code
	N04

Accessories	Chain guard, fenders, carrier, lock, kickstand, chainstay protector, bell and wheel reflector
Lighting	Headlight: Basta Spring, Rear light: LED battery integrated, Rear reflector: Rear Light Integrated

City



87

Electric SERIES

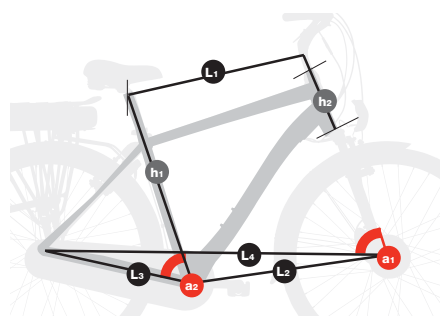
Urban inner EE503

- Frame Alloy Hydrof. 28" City
- Rear Shock -
- Fork Suntour NEX 4610
- Stem Alloy Automatic Adjust
- Headset Integrated
- Shift levers Shimano Nexus
- Rear Derailleur Shimano Nexus 8SP
- Front Derailleur -
- Crank Set Suntour 38T
- B.B Set Integrated
- Cassette Shimano Nexus 8SP (16T)

- Chain KMC Z41
- Brake levers V-Brake Alloy
- Rims Alloy Double Wall
- Tires Kenda 700*38 Reflex
- Hubs Shimano
- Spokes Stainless Steel
- Saddle Emotion Comfort
- Seat Clamp Quick Release
- Seatpost Alloy 31,6MM
- Handlebar Emotion City Alloy
- Grips Ergonomic
- Pedals Alloy Antislip
- Weight 23,6 Kg

Technology

- System FDS
- Battery Samsung 324 Wh (36 V / 9 Ah)
- Motor "Brushless" 250 W
- Distance Up to 90 km
- Display LCD Emotion remov.
- Display bag ✓



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	500	160	559	645	460	1.097	70	73	1.797
LA	550	160	560	645	460	1.097	70	73	1.797

colors	code
	N04

- Accessories** Chain guard, fenders, carrier, lock, kickstand, chainstay protector, bell and wheel reflector
- Lighting** Headlight: Basta Spring, Rear light: LED battery integrated, Rear reflector: Rear Light Integrated

FDS
City



88

Electric SERIES

Urban inner wave

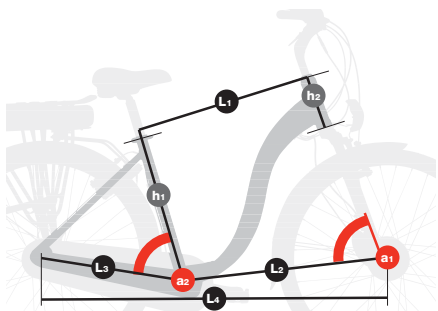
EE513

Frame	Alloy Hydrof. 28" City Wave
Rear Shock	-
Fork	Suntour NEX 4610
Stem	Alloy Automatic Adjust
Headset	Integrated
Shift levers	Shimano Nexus
Rear Derailleur	Shimano Nexus 8SP
Front Derailleur	-
Crank Set	SR Suntour 38T
B.B Set	Integrated
Cassette	Shimano Nexus 8SP (16T)

Chain	KMC Z41
Brake levers	V-Brake Alloy
Rims	Alloy Double Wall
Tires	Kenda 700*38 Reflex
Hubs	Shimano
Spokes	Stainless Steel
Saddle	Emotion Comfort
Seat Clamp	Quick Release
Seatpost	Alloy 31,6MM
Handlebar	Emotion City Alloy
Grips	Ergonomic
Pedals	Alloy Antislip
Weight	23,6 Kg

Technology

System	FDS
Battery	Samsung 324 Wh (36 V / 9 Ah)
Motor	"Brushless" 250 W
Distance	Up to 90 km
Display	LCD Emotion remov.
Display bag	✓



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	420	150	532	633	460	1.085	70	75	1.785
LA	480	150	563	655	460	1.107	70	73	1.807

colors code



N04

Accessories	Chain guard, fenders, carrier, lock, kickstand, chainstay protector, bell and wheel reflector
Lighting	Headlight: Basta Spring, Rear light: LED battery integrated, Rear reflector: Rear Light Integrated

City



89

Electric SERIES

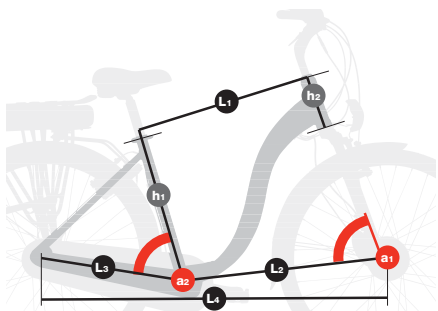
Eco wave EE313

- Frame Alloy Hydrof. 26" City Wave
- Rear Shock -
- Fork HI-TEN
- Stem Alloy
- Headset Integrated
- Shift levers Microshift
- Rear Derailleur Shimano TX35 6SP
- Front Derailleur -
- Crank Set 44 T
- B.B Set Integrated
- Cassette Shimano TZ06 6SP (14-28T)

- Chain KMC Z51
- Brake levers V-Brake Alloy
- Rims Alloy 26" Double Wall
- Tires Kenda 193 26*1,5
- Hubs Alloy
- Spokes Stainless Steel
- Saddle Emotion Comfort
- Seat Clamp Quick Release
- Seatpost Alloy 31,6MM
- Handlebar Emotion Travel Alloy
- Grips Ergonomic
- Pedals Alloyfoldable Antislip
- Weight 22 Kg

Technology

- System FDS
- Battery Samsung 252 Wh (36 V / 7 Ah)
- Motor "Brushless" 250 W
- Distance Up to 60 km
- Display LCD Emotion
- Display bag -



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	410	160	550	645	435	1.076	69	66	1.726

colors	code
	N10

- Accessories** Chain guard, fenders, carrier, kickstand, chainstay protector, bell and wheel reflector
- Lighting** Headlight: Spinning, Rear light: LED battery integrated, Rear reflector: Rear Light Integrated

electric series

FDS

Foldable



90

Electric SERIES

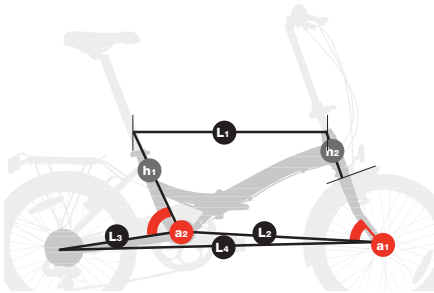
Smart EE203

Frame	Smart Alloy 20" Foldable
Rear Shock	-
Fork	HI-TEN
Stem	Emotion Telescopic
Headset	Integrated
Shift levers	Microshift
Rear Derailleur	Shimano TX35 6SP
Front Derailleur	-
Crank Set	44 T
B.B Set	Integrated
Cassette	Shimano TZ06 6SP (14-28T)

Chain	KMC Z51
Brake levers	V-Brake Alloy
Rims	Alloy 20" Double Wall
Tires	CST 693 20"1,5 Reflex
Hubs	Alloy
Spokes	Stainless Steel
Saddle	Emotion Comfort Light
Seat Clamp	Quick Release
Seatpost	Alloy 31,6MM
Handlebar	Emotion Travel Alloy
Grips	Ergonomic
Pedals	Alloyfoldable Antislip
Weight	20,4 Kg

Technology

System	FDS
Battery	Samsung 252 Wh (36 V / 7 Ah)
Motor	"Brushless" 250 W
Distance	Up to 60 km
Display	LCD Emotion
Display bag	-



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	310	120	657	670	425	1.093	70	70	1.593

colors	code
	005

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector, bell and wheel reflector
Lighting	Headlight: LED KMC SR-600DX, Rear light: LED battery integrated, Rear reflector: Rear Light Integrated

1000 x 900 x 600 mm.



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Electric SERIES

Stand Up EE103

Brake levers Disc Front
Weight 32 Kg

Technology

System FDS
 Battery Samsung 576 Wh
 (48 V / 12 Ah)
 Motor "Brushless" 350 W
 Distance Up to 45 km
 Display LED Emotion
 Display bag -



colors	code
■	611

Use only in private spaces

CITY TOURING
FOLDING
SPORT



The new Trekking Series has been designed for urban use. Comfort, functionality, design, sustainability and equipment are hallmarks of these urban bicycles.

The Easy Motion urban catalogue is here with an innovative look. We pay special attention to the smallest of details; we have an evolutionary design and a studied geometry and ergonomics. Enjoy today's pace of life with your new Easy Motion bicycle!

trekking series



city-touring



Urban and innovative, the city is yours

The City / Touring Series are perfect for those who enjoy cycling. Whether you are going to work or to study, running errands, or just want to get some exercise, this bicycle is for you!

trekking
series

ing

With a modern and elegant design, these models have been designed for people who give priority to easy of use, ergonomics and superior handling



Innovation and comfort;

The city-touring range is the result of over 100 years of BH Bikes' work and experience in manufacturing bicycles.

BH has applied the highest quality standards to these bicycles, and they have been manufactured using 7005 high grade aluminium. This process enables the development of frames with a more ergonomic shape that will deliver exceptional performance, comfort and superior handling.

In short, our innovative manufacturing process, revolutionary design and comfortable geometry provide a maximum level of riding pleasure. Easy Motion bicycles are designed for travelling through the city in full comfort.

Wave Models

The Wave models have been designed with an easy step through design, facilitating easy mounting and riding. They are bicycles that have been especially designed for comfortable riding and they come with an urban and modern look.



Fully equipped

In the Easy Motion series, BH has paid special attention to the smallest of details so each bicycle is a unique.

All City-Touring Easy Motion bicycles are equipped with high quality accessories: front and rear lights, puncture-proof and reflective tyres, fenders, chain guards...and a wide variety of accessories to install on your bike. You may also find customised products so you can design a complete bicycle that includes the smallest of details.

There is a City-Touring Series bicycle for all tastes, sizes, colours and needs.



trekking series



CITY-TOURING

Urban versatility

city-touring



Oxford
TE963

	Alloy Hydrof. 28" City Wave		Emotion		SM, MD, LA
	Suntour CR-8V Mlock		Rubena 700*35 Antipuncture W/RB		18,5
	Shimano Nexus 8 SP		Shimano Dinamo		



Cambridge
TE853

	Alloy Hydrof. 28" City		Shimano Acera 3 SP		SM, MD, LA, XL
	Suntour CR-8V Mlock		Rubena 700*35		17,5
	Shimano Alivio 9 SP		Shimano Dinamo		



Dublin wave
TE763

	Alloy Hydrof. 28" City Wave		Suntour Nex-208 3 SP		SM, MD, LA
	Suntour CR-8V		Rubena 700*35		17,5
	Shimano Acera 8 SP		Shimano Dinamo		



Dublin
TE753

	Alloy Hydrof. 28" City		Suntour Nex-208 3 SP		SM, MD, LA, XL
	Suntour CR-8V		Rubena 700*35		17,5
	Shimano Acera 8 SP		Shimano Dinamo		



London wave
TE663

	Alloy Hydrof. 28" City Wave		Suntour XR-178 3 SP		SM, MD, LA
	Suntour M-3010		Rubena 700*35		16,8
	Shimano TX55 7 SP		Shimano Dinamo		



London
TE653

	Alloy Hydrof. 28" City		Suntour XR-178 3 SP		SM, MD, LA, XL
	Suntour M-3010		Rubena 700*35		16,8
	Shimano TX55 7 SP		Shimano Dinamo		



Glasgow wave
TE563

	Alloy Hydraf. 28" City Wave		Suntour XR-178 3 SP		SM, MD, LA
	Emotion Suspension 28"		Rubena 700*35		16,9
	Shimano TX35 7 SP		Shimano Dinamo		



Glasgow
TE553

	Alloy Hydraf. 28" City		Suntour XR-178 3 SP		SM, MD, LA, XL
	Emotion Suspension 28"		Rubena 700*35		16,9
	Shimano TX35 7 SP		Shimano Dinamo		

98



Windsor wave
TE463

	Alloy 28" City Wave		Emotion 3 SP		SM, MD, LA
	Emotion CR-MO 28"		Rubena 700*38 Hook		14,2
	Shimano Tourney TZ50 6 SP		Steel		



Windsor
TE453

	Alloy 28" City		Emotion 3 SP		SM, MD, LA, XL
	Emotion CR-MO 28"		Rubena 700*38 Hook		14,2
	Shimano Tourney TZ50 6 SP		Steel		



Boston wave
TE363

	Emotion Wave Hi-Ten 28"		Emotion 3 SP		MD, LA
	Emotion CR-MO 28"		Rubena 700*38 Hook		16,2
	Shimano Tourney TZ50 6 SP		Steel		



Boston
TE353

	Emotion Wave Hi-Ten 28"		Emotion 3 SP		MD, LA
	Emotion CR-MO 28"		Rubena 700*38 Hook		16,2
	Shimano Tourney TZ50 6 SP		Steel		



Miami max Alloy Miami 26" Wave Suntour XR-178 3 SP MD
TE163 Suntour SR-M3010 Rubena 26"1,6 Shield Clever kg 16
 Shimano TX75 7 SP Shimano Dinamo



Miami Alloy Miami 26" Wave Emotion 3 SP MD
TE063 Emotion Suspension 26" Shimano Tourney TZ50 6 SP Rubena 26"1,6 Shield Clever kg 15
 Alloy



Bolero max Emotion Wave Alloy 26" Steel 42T MD
B6583 Emotion CR-MO 26" Kenda K-193 kg 14
 Shimano TY18 6 SP Steel



Bolero Emotion Wave Hi-Ten 26" 6 SP Steel 42T MD
B6563 Emotion CR-MO 26" Kenda K-193 kg 14,5
 Shimano TY18 6 SP Steel



Bolero 1SP Emotion Wave Hi-Ten 26" 1 Sp Steel 36T MD
B6503 Emotion CR-MO 26" Kenda K-193 kg 14,5
 - Steel



Bolero 24" Emotion Wave Hi-Ten 24" Steel 32T MD
B6063 Emotion CR-MO 24" Kenda K-194 kg 14
 Shimano TY18 6 SP Steel





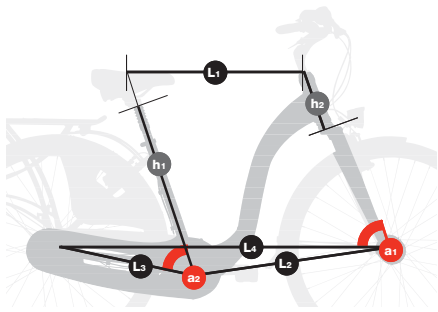


101

trekkingSERIES

Oxford TE963

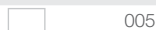
- | | | | |
|------------------|------------------------------|------------|---|
| Frame | Alloy Hydrof. 28" City Wave | Rims | Alloy 28" Double Wall |
| Fork | Suntour CR-8V Mlock | Tires | Rubena 700*35   |
| Stem | Emotion Automatic Adjustable | Hubs | Shimano Dinamo |
| Headset | Integrated | Spokes | Stainless Steel |
| Shift levers | Shimano Nexus 8 SP | Saddle | Emotion Confort Gel |
| Rear Derailleur | Shimano Nexus 8 SP | Seat Clamp | Alloy |
| Front Derailleur | - | Seatpost | Emotion Alloy Suspension 27,2mm |
| Chainwheel | Emotion | Handlebar | Emotion Travel Alloy |
| B.B Set | Integrated | Grips | Ergonomic |
| Cassette | Shimano Nexus 8 SP (19T) | Pedals | Alloy Safety Pedal |
| Chain | KMC Z51 | Weight | 18,5 Kg |
| Brake Levers | Shimano M422 | | |



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	420	150	540	630	445	1.066	70	73	1.777
MD	480	160	559	650	445	1.086	70	73	1.797
LA	540	170	592	679	445	1.115	70	73	1.826

colors code





- Accessories** Chain guard, fenders, carrier, kickstand, chainstay protector and bell
- Lighting** Headlight, rear light, rear reflector and wheel reflector

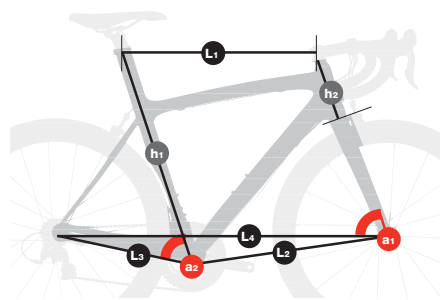


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trekkingSERIES

Cambridge TE853

Frame	Alloy Hydrof. 28" City	Rims	Alloy 28" Double Wall
Fork	Suntour CR-8V Mlock	Tires	Rubena 700*35  
Stem	Emotion Automatic Adjustable	Hubs	Shimano Dinamo
Headset	Integrated	Spokes	Stainless Steel
Shift levers	Shimano Acera	Saddle	Emotion Confort Gel
Rear Derailleur	Shimano Alivio 9 SP	Seat Clamp	Alloy
Front Derailleur	Shimano Alivio	Seatpost	Emotion Alloy Suspension 27,2mm
Chainwheel	Shimano Acera	Handlebar	Emotion Travel Alloy
B.B Set	Integrated	Grips	Ergonomic
Cassette	Shimano HG-20 9 SP (11-34T)	Pedals	Alloy Safety Pedal
Chain	KMC Z99	Weight	17,5 Kg
Brake Levers	Shimano M422		



Dimensions in mm.

Size	h1	h2	L1	L2	L3	L4	a1	a2	Total
SM	450	160	554	644	445	1.080	70	73	1.791
MD	500	160	570	659	445	1.095	70	73	1.806
LA	550	170	599	684	445	1.120	70	73	1.831
XL	600	170	634	709	445	1.145	70	73	1.856

colors	code
	MATT-431

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector and bell
Lighting	Headlight, rear light, rear reflector and wheel reflector





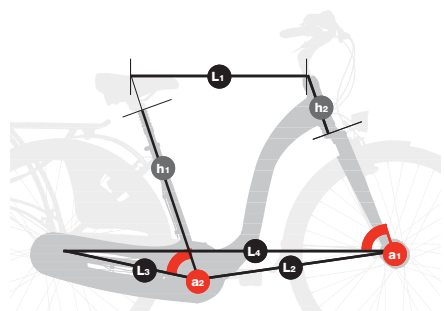
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trekkingSERIES


Dublin wave TE763

- | | | | |
|------------------|-----------------------------|------------|---|
| Frame | Alloy Hydrof. 28" City Wave | Rims | Alloy 28" Double Wall |
| Fork | Suntour CR-8V | Tires | Rubena 700*35   |
| Stem | Emotion Alloy Adjustable | Hubs | Shimano Dinamo |
| Headset | Integrated | Spokes | Stainless Steel |
| Shift levers | Shimano EF-51 | Saddle | Emotion Confort Gel |
| Rear Derailleur | Shimano Acera 8 SP | Seat Clamp | Alloy |
| Front Derailleur | Shimano M190 | Seatpost | Emotion Alloy Suspension 27,2mm |
| Chainwheel | Suntour NEX-208 | Handlebar | Emotion Travel Alloy |
| B.B Set | Integrated | Grips | Ergonomic |
| Cassette | Shimano HG-40 8 SP (11-32T) | Pedals | Alloy Safety Pedal |
| Chain | KMC Z51 | Weight | 17,5 Kg |
| Brake Levers | V-Brake Alloy | | |



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	420	150	540	630	445	1.066	70	73	1.777
MD	480	160	559	650	445	1.086	70	73	1.797
LA	540	170	592	679	445	1.115	70	73	1.826

colors	code
	G02



- Accessories** Chain guard, fenders, carrier, kickstand, chainstay protector and bell
- Lighting** Headlight, rear light, rear reflector and wheel reflector

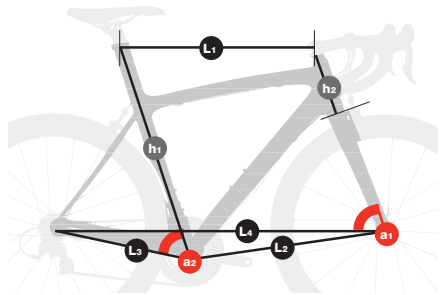


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trekkingSERIES


Dublin TE753

- | | | | |
|------------------|-----------------------------|------------|---|
| Frame | Alloy Hydrof. 28" City | Rims | Alloy 28" Double Wall |
| Fork | Suntour CR-8V | Tires | Rubena 700*35   |
| Stem | Emotion Alloy Adjustable | Hubs | Shimano Dinamo |
| Headset | Integrated | Spokes | Stainless Steel |
| Shift levers | Shimano EF-51 | Saddle | Emotion Comfort Gel |
| Rear Derailleur | Shimano Acera 8 SP | Seat Clamp | Alloy |
| Front Derailleur | Shimano M190 | Seatpost | Emotion Alloy Suspension 27,2mm |
| Chainwheel | Suntour NEX-208 | Handlebar | Emotion Travel Alloy |
| B.B Set | Integrated | Grips | Ergonomic |
| Cassette | Shimano HG-40 8 SP (11-32T) | Pedals | Alloy Safety Pedal |
| Chain | KMC Z51 | Weight | 17,5 Kg |
| Brake Levers | V-Brake Alloy | | |



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	450	160	554	644	445	1.080	70	73	1.791
MD	500	160	570	659	445	1.095	70	73	1.806
LA	550	170	599	684	445	1.120	70	73	1.831
XL	600	170	634	709	445	1.145	70	73	1.856

colors	code
	G02

- Accessories** Chain guard, fenders, carrier, kickstand, chainstay protector and bell
- Lighting** Headlight, rear light, rear reflector and wheel reflector

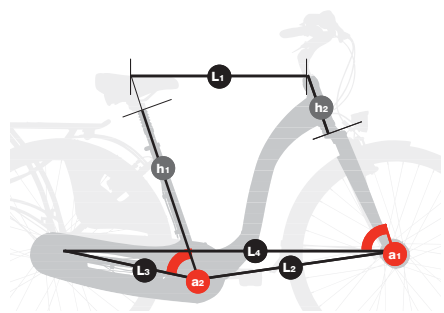


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trekkingSERIES

London wave TE663

- | | | | |
|------------------|-----------------------------------|--------------|---------------------------------|
| Frame | Alloy Hydrof. 28" City Wave | Brake Levers | V-Brake Alloy |
| Fork | Suntour M-3010 | Rims | Alloy 28" Double Wall |
| Stem | Emotion Alloy Adjustable | Tires | Rubena 700*35 |
| Headset | Integrated | Hubs | Shimano Dinamo |
| Shift levers | Microshift DS-85 | Spokes | Stainless Steel |
| Rear Derailleur | Shimano TX55 7 SP | Saddle | Emotion Touring |
| Front Derailleur | Shimano M190 | Seat Clamp | Quick Release |
| Chainwheel | Suntour XR-178 | Seatpost | Emotion Alloy Suspension 27,2mm |
| B.B Set | Integrated | Handlebar | Emotion Travel Alloy |
| Cassette | Shimano Tourney TZ21 7 SP (14-28) | Grips | Confort Plus |
| Chain | KMC Z51 | Pedals | Antislip |
| | | Weight | 16,8 Kg |



Dimensions in mm.

Size	h1	h2	L1	L2	L3	L4	a1	a2	Total
SM	420	150	540	630	445	1.066	70	73	1.777
MD	480	160	559	650	445	1.086	70	73	1.797
LA	540	170	592	679	445	1.115	70	73	1.826

colors	code
	005
	N10

- Accessories** Chain guard, fenders, carrier, kickstand, chainstay protector and bell
- Lighting** Headlight, rear light, rear reflector and wheel reflector



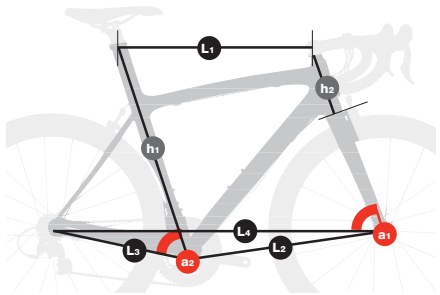
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trekkingSERIES

London TE653

- Frame Alloy Hydrof. 28" City
- Fork Suntour M-3010
- Stem Emotion Alloy Adjustable
- Headset Integrated
- Shift levers Microshift DS-85
- Rear Derailleur Shimano TX55 7 SP
- Front Derailleur Shimano M190
- Chainwheel Suntour XR-178 3 SP
- B.B Set Integrated
- Cassette Shimano Tourney TZ21 7 SP (14-28)
- Chain KMC Z51

- Brake Levers V-Brake Alloy
- Rims Alloy 28" Double Wall
- Tires Rubena 700*35
- Hubs Shimano Dinamo
- Spokes Stainless Steel
- Saddle Emotion Touring
- Seat Clamp Quick Release
- Seatpost Emotion Alloy Suspension 27,2mm
- Handlebar Emotion Travel Alloy
- Grips Confort Plus
- Pedals Antislip
- Weight 16,8 Kg



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	450	160	554	644	445	1.080	70	73	1.791
MD	500	160	570	659	445	1.095	70	73	1.806
LA	550	170	599	684	445	1.120	70	73	1.831
XL	600	170	634	709	445	1.145	70	73	1.856

colors	code
	005
	N10

- Accessories** Chain guard, fenders, carrier, kickstand, chainstay protector and bell
- Lighting** Headlight, rear light, rear reflector and wheel reflector

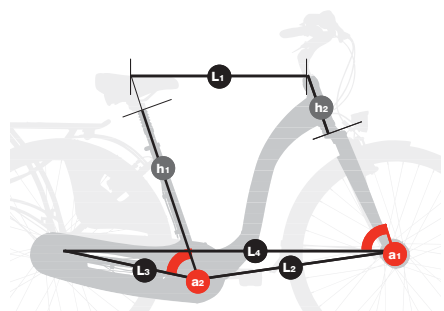


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trekking SERIES



Glasgow wave TE563

Frame	Alloy Hydrof. 28" City Wave	Brake Levers	V-Brake Alloy
Fork	Emotion Suspension 28"	Rims	Alloy 28"
Stem	Emotion Alloy	Tires	Rubena 700*35 
Headset	Integrated	Hubs	Shimano Dinamo
Shift levers	Microshift MS-16	Spokes	Stainless Steel
Rear Derailleur	Shimano TX35 7 SP	Saddle	Emotion Comfort
Front Derailleur	Shimano M190	Seat Clamp	Quick Release
Chainwheel	Suntour XR-178 3 SP	Seatpost	Emotion Steel 27,2mm
B.B Set	Integrated	Handlebar	Emotion Travel Steel
Cassette	Shimano Tourney TZ21 7 SP (14-28)	Grips	Confort Plus
Chain	KMC Z51	Pedals	Antislip
		Weight	16,9 Kg



Dimensions in mm.

Size	h1	h2	L1	L2	L3	L4	a1	a2	Total
SM	420	150	540	630	445	1.066	70	73	1.777
MD	480	160	559	650	445	1.086	70	73	1.797
LA	540	170	592	679	445	1.115	70	73	1.826

colors	code
	005
	N10

Accessories Chain guard, fenders, carrier, kickstand, chainstay protector and bell

Lighting Headlight, rear light, rear reflector and wheel reflector



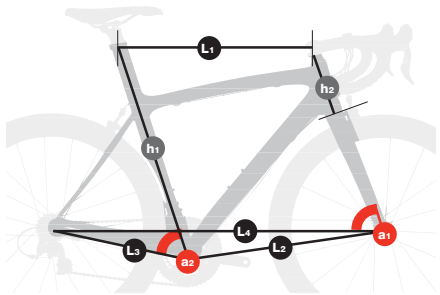
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trekkingSERIES

Glasgow TE553

- Frame Alloy Hydrof. 28" City
- Fork Emotion Suspension 28"
- Stem Emotion Alloy
- Headset Integrated
- Shift levers Microshift MS-16
- Rear Derailleur Shimano TX35 7 SP
- Front Derailleur Shimano M190
- Chainwheel Suntour XR-178 3 SP
- B.B Set Integrated
- Cassette Shimano Tourney TZ21 7 SP (14-28)
- Chain KMC Z51

- Brake Levers V-Brake Alloy
- Rims Alloy 28"
- Tires Rubena 700*35
- Hubs Shimano Dinamo
- Spokes Stainless Steel
- Saddle Emotion Comfort
- Seat Clamp Quick Release
- Seatpost Emotion Steel 27,2mm
- Handlebar Emotion Travel Steel
- Grips Confort Plus
- Pedals Antislip
- Weight 16,9 Kg



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	450	160	554	644	445	1.080	70	73	1.791
MD	500	160	570	659	445	1.095	70	73	1.806
LA	550	170	599	684	445	1.120	70	73	1.831
XL	600	170	634	709	445	1.145	70	73	1.856

colors	code
	005
	N10

- Accessories Chain guard, fenders, carrier, kickstand, chainstay protector and bell
- Lighting Headlight, rear light, rear reflector and wheel reflector

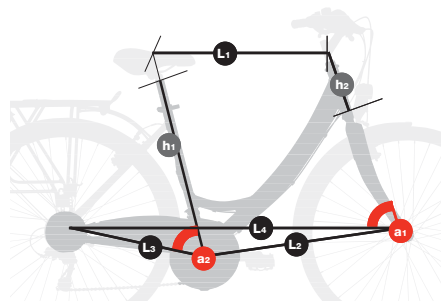


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trekkingSERIES


Windsor wave TE463

Frame	Alloy 28" City Wave	Rims	Alloy 28"
Fork	Emotion CR-MO 28"	Tires	Rubena 700*38 Hook
Stem	Steel	Hubs	Steel
Headset	8 Pieces	Spokes	-
Shift levers	Microshift MS-16	Saddle	Emotion Comfort
Rear Derailleur	Shimano Tourney TZ50 6 SP	Seat Clamp	Quick Release
Front Derailleur	Shimano FD M190	Seatpost	Emotion Steel 27,2mm
Chainwheel	Emotion 3 SP	Handlebar	Emotion Travel Steel
B.B Set	Integrated	Grips	Confort
Cassette	Shimano TZ20 6 SP (14-28)	Pedals	Antislip
Chain	KMC Z51	Weight	14,2 Kg
Brake Levers	V-Brake Alloy		



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	420	150	538	630	445	1.066	69,5	72,5	1.777
MD	480	160	558	682	445	1.086	69,5	72,5	1.797
LA	540	150	580	695	445	1.132	69,5	76	1.843

colors	code
	N10

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector and bell
Lighting	Headlight, rear light, rear reflector and wheel reflector

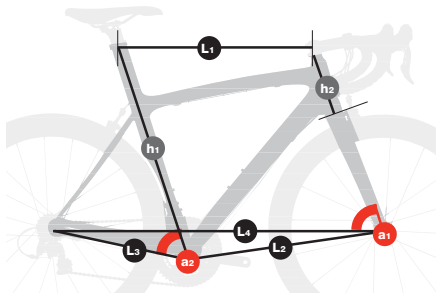


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trekkingSERIES


Windsor TE453

- | | | | |
|------------------|---------------------------|------------|----------------------|
| Frame | Alloy 28" City | Rims | Alloy 28" |
| Fork | Emotion CR-MO 28" | Tires | Rubena 700*38 Hook |
| Stem | Steel | Hubs | Steel |
| Headset | 8 Pieces | Spokes | - |
| Shift levers | Microshift MS-16 | Saddle | Emotion Confort |
| Rear Derailleur | Shimano Tourney TZ50 6 SP | Seat Clamp | Quick Release |
| Front Derailleur | Shimano FD M190 | Seatpost | Emotion Steel 27,2mm |
| Chainwheel | Emotion 3 SP | Handlebar | Emotion Travel Steel |
| B.B Set | Integrated | Grips | Confort |
| Cassette | Shimano TZ20 6 SP (14-28) | Pedals | Antislip |
| Chain | KMC Z51 | Weight | 14,2 Kg |
| Brake Levers | V-Brake Alloy | | |



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	450	150	534	641	445	1.077	70,5	76	1.788
MD	510	150	564	671	445	1.107	70,5	76	1.818
LA	570	150	591	691	445	1.127	70,5	76	1.838
XL	600	150	603	696	445	1.133	70,5	76	1.844

colors	code
	N10

- Accessories** Chain guard, fenders, carrier, kickstand, chainstay protector and bell
- Lighting** Headlight, rear light, rear reflector and wheel reflector





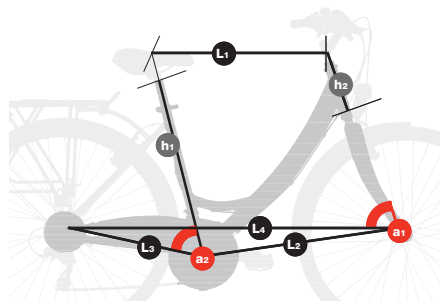
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trekkingSERIES


Boston wave TE363

- | | | | |
|------------------|---------------------------|------------|----------------------|
| Frame | Emotion Wave Hi-Ten 28" | Rims | Alloy 28" |
| Fork | Emotion CR-MO 28" | Tires | Rubena 700*38 Hook |
| Stem | Emotion Steel | Hubs | Alloy |
| Headset | 8 Pieces | Spokes | - |
| Shift levers | Microshift MS-16 | Saddle | Bassano Kappa |
| Rear Derailleur | Shimano Tourney TZ50 6 SP | Seat Clamp | Quick Release |
| Front Derailleur | Shimano TZ20 | Seatpost | Emotion Steel 25,4mm |
| Chainwheel | Amar 3 SP | Handlebar | Emotion Travel Steel |
| B.B Set | Integrated | Grips | Confort |
| Cassette | Shimano TZ20 6 SP (14-28) | Pedals | Antislip |
| Chain | KMC Z51 | Weight | 16,2 Kg |
| Brake Levers | V-Brake Alloy | | |



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	420	150	538	630	445	1.066	69,5	72,5	1.777
MD	480	150	553	648	445	116	69,5	72,5	1.816

colors	code
	N10

- Accessories** Chain guard, fenders, carrier, kickstand, chainstay protector and bell
- Lighting** Headlight, rear light, rear reflector and wheel reflector

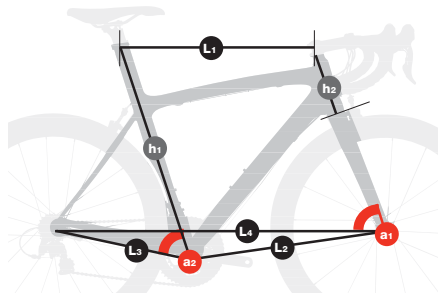


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trekkingSERIES


Boston TE353

- | | | | |
|------------------|---------------------------|------------|-----------------------|
| Frame | Emotion Wave Hi-Ten 28" | Rims | Alloy 28" |
| Fork | Emotion CR-MO 28" | Tires | Rubena 700*38 Hook |
| Stem | Emotion Steel | Hubs | Alloy |
| Headset | 8 Pieces | Spokes | - |
| Shift levers | Microshift MS-16 | Saddle | Bassano Kappa |
| Rear Derailleur | Shimano Tourney TZ50 6 SP | Seat Clamp | Quick Release |
| Front Derailleur | Shimano TZ20 | Seatpost | Emotion Steel 25,4 mm |
| Chainwheel | Amar 3 SP | Handlebar | Emotion Travel Steel |
| B.B Set | Integrated | Grips | Confort |
| Cassette | Shimano Tz20 6 SP (14-28) | Pedals | Antislip |
| Chain | KMC Z51 | Weight | 16,2 kg |
| Brake Levers | V-Brake Alloy | | |



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	450	150	538	640	445	1.076	73,5	76	1.787
LA	530	150	553	650	445	116	71	76	1.816

colors	code
	N10

- Accessories** Chain guard, fenders, carrier, kickstand, chainstay protector and bell
- Lighting** Headlight, rear light, rear reflector and wheel reflector

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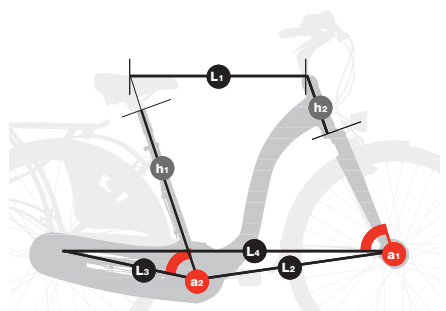


trekkingSERIES

Miami max TE163

Frame	Alloy Miami 26" Wave
Fork	Suntour SR-M3010
Stem	Emotion Alloy Adjustable
Headset	Integrated
Shift levers	Shimano EF51
Rear Derailleur	Shimano TX75 7 SP
Front Derailleur	Shimano M190
Chainwheel	Suntour XR-178 3 SP
B.B Set	Integrated
Cassette	Shimano Tourney TZ21 7 SP (14-28)
Chain	KMC Z51

Brake Levers	V-Brake Alloy
Rims	Alloy 26" Double Wall
Tires	Rubena 26*1,6 Shield Clever
Hubs	Shimano Dinamo
Spokes	Stainless Steel
Saddle	Emotion Touring
Seat Clamp	Quick Release
Seatpost	Emotion Alloy 27,2mm
Handlebar	Emotion Travel Alloy
Grips	Ergonomic
Pedals	Alloy Safety Pedal
Weight	16 Kg



Dimensions in mm.

Size	h1	h2	L1	L2	L3	L4	a1	a2	Total
MD	410	185	533	625	435	1.056	69,5	72,5	1.716

colors	code
	005
	N10

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector and bell
Lighting	Headlight, rear light, rear reflector and wheel reflector

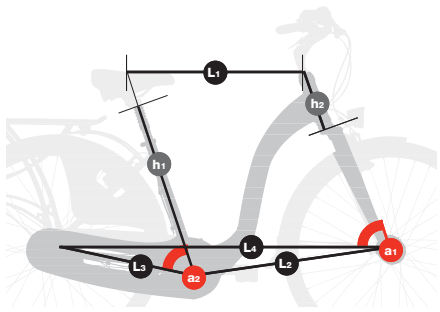


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trekkingSERIES

Miami TE063

- | | | | |
|------------------|---------------------------|------------|-----------------------------|
| Frame | Alloy Miami 26" Wave | Rims | Alloy 26" |
| Fork | Emotion Suspension 26" | Tires | Rubena 26*1,6 Shield Clever |
| Stem | Emotion Alloy | Hubs | Alloy |
| Headset | Integrated | Spokes | - |
| Shift levers | Microshift MS-16 | Saddle | Emotion Comfort |
| Rear Derailleur | Shimano Tourney TZ50 6 SP | Seat Clamp | Quick Release |
| Front Derailleur | Shimano M190 | Seatpost | Emotion Steel 27,2mm |
| Chainwheel | Emotion 3 SP | Handlebar | Emotion Travel Steel |
| B.B Set | Integrated | Grips | Confort |
| Cassette | Shimano TZ20 6 SP (14-28) | Pedals | Antislip |
| Chain | KMC Z51 | Weight | 15 Kg |
| Brake Levers | V-Brake Alloy | | |



Dimensions in mm.

Size	h1	h2	L1	L2	L3	L4	a1	a2	Total
MD	410	185	533	625	435	1.056	69,5	72,5	1.716

colors	code
	005
	N10

- Accessories** Chain guard, fenders, carrier, kickstand, chainstay protector and bell
- Lighting** Headlight, rear light, rear reflector and wheel reflector

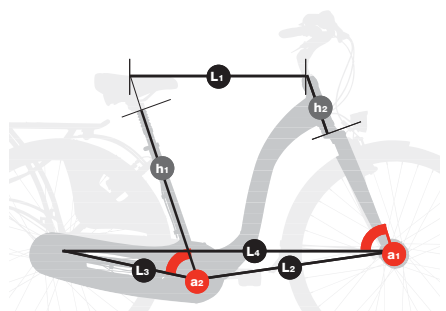


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trekkingSERIES


Bolero max B6583

Frame	Emotion Wave Alloy 26"	Rims	Alloy 26"
Fork	Emotion CR-MO 26"	Tires	Kenda K-193
Stem	Emotion Steel	Hubs	Steel
Headset	8 Pieces	Spokes	-
Shift levers	Microshift MS-16	Saddle	Emotion Comfort
Rear Derailleur	Shimano TY18 6 Sp	Seat Clamp	Alloy
Front Derailleur	-	Seatpost	Emotion Steel 27,2 mm
Chainwheel	Steel 42T	Handlebar	Emotion Travel Steel
B.B Set	Integrated	Grips	Confort
Cassette	Shimano TZ20 6 SP (14-28)	Pedals	Antislip
Chain	KMC Z30	Weight	14 Kg
Brake Levers	V-Brake Alloy		



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	410	150	534	625	435	1.056	69,5	72,5	1.716

colors	code
	154

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector and bell
Lighting	Headlight, rear light, rear reflector and wheel reflector

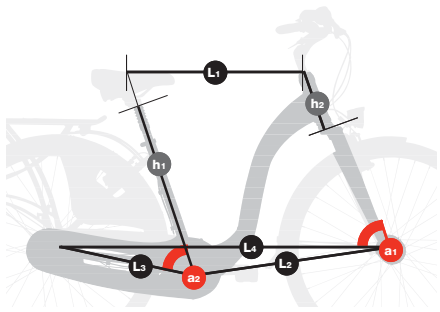


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trekkingSERIES

Bolero B6563

- | | | | |
|------------------|------------------------------|------------|----------------------|
| Frame | Emotion Wave Hi-Ten 26" 6 SP | Rims | Alloy 26" |
| Fork | Emotion CR-MO 26" | Tires | Kenda K-193 |
| Stem | Emotion Steel | Hubs | Steel |
| Headset | 8 Pieces | Spokes | - |
| Shift levers | Microshift MS-16 | Saddle | Emotion Comfort |
| Rear Derailleur | Shimano TY18 6 SP | Seat Clamp | Alloy |
| Front Derailleur | - | Seatpost | Emotion Steel 25,4mm |
| Chainwheel | Steel 42T | Handlebar | Emotion Travel Steel |
| B.B Set | Integrated | Grips | Confort |
| Cassette | Shimano TZ20 6 SP (14-28) | Pedals | Antislip |
| Chain | KMC Z30 | Weight | 14,5Kg |
| Brake Levers | V-Brake Alloy | | |



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	410	150	534	625	435	1.056	69,5	72,5	1.716

colors	code
	150
	154

- Accessories** Chain guard, fenders, carrier, kickstand, chainstay protector and bell
- Lighting** Headlight, rear light, rear reflector and wheel reflector

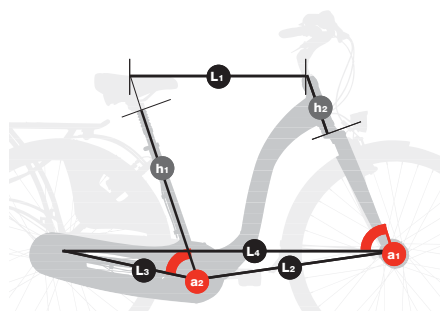


120

trekkingSERIES

Bolero 1 SP B6503

Frame	Emotion Wave Hi-Ten 26" 1 SP	Rims	Alloy 26"
Fork	Emotion CR-MO 26"	Tires	Kenda K-193
Stem	Emotion Steel	Hubs	Steel
Headset	8 Pieces	Spokes	-
Shift levers	-	Saddle	Emotion Comfort
Rear Derailleur	-	Seat Clamp	Alloy
Front Derailleur	-	Seatpost	Emotion Steel 25,4 mm
Chainwheel	Steel 36T	Handlebar	Emotion Travel Steel
B.B Set	Integrated	Grips	Confort
Cassette	Freewheel 16T	Pedals	Antislip
Chain	KMC HV410	Weight	14,5 Kg
Brake Levers	V-Brake Alloy		



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	410	150	534	625	430	1.051	69,5	72,5	1.711

colors	code
	150
	154

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector and bell
Lighting	Headlight, rear light, rear reflector and wheel reflector

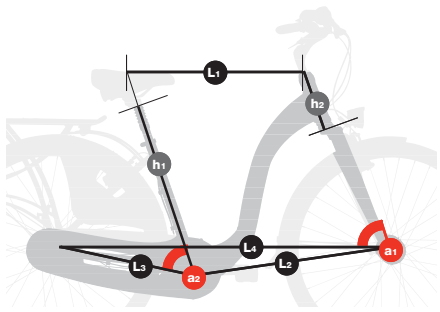


121

trekkingSERIES

Bolero 24" B6063

- | | | | |
|------------------|---------------------------|------------|-----------------------|
| Frame | Emotion Wave Hi-Ten 24" | Rims | Alloy 24" |
| Fork | Emotion CR-MO 24" | Tires | Kenda K-194 |
| Stem | Emotion Steel | Hubs | Steel |
| Headset | 8 Pieces | Spokes | - |
| Shift levers | Microshift MS-16 | Saddle | Emotion Comfort |
| Rear Derailleur | Shimano TY18 6 SP | Seat Clamp | Alloy |
| Front Derailleur | - | Seatpost | Emotion Steel 25,4 mm |
| Chainwheel | Steel 32T | Handlebar | Emotion Travel Steel |
| B.B Set | Integrated | Grips | Confort |
| Cassette | Shimano TZ20 6 SP (14-28) | Pedals | Antislip |
| Chain | KMC Z30 | Weight | 14 Kg |
| Brake Levers | V-Brake Alloy | | |



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	360	150	494	585	420	1.003	69,5	72,5	1.612

colors	code
<input type="checkbox"/>	150

- Accessories** Chain guard, fenders, carrier, kickstand, chainstay protector and bell
- Lighting** Headlight, rear light, rear reflector and wheel reflector

foldin

**They are very light and
require little space**

trekking
series

122



The bicycle you can take with you

Folding bicycles are an ideal option if you are looking for maximum performance with the best handling in a minimum space. The folding range of the Easy Motion Series includes everything you have ever asked for in a folding bicycle. You can go anywhere you want with it; travel by train, ship, subway or bus. You can store it in your closet, office or in your car's trunk.

They are light thanks to the aluminium frame and ergonomics because the design of the seat and handlebar can be set to any height. They are so foldable and so light that you can store or transport them anywhere you want without worrying about space.

ibiza





ibiza

Foldable as usual, lighter than ever

folding



- Ibiza max**
BP703
-  Ibiza Alloy Folding
 -  Emotion CR-MO 20"
 -  Shimano FT30 6 SP
 -  Alloy 52T
 -  Kenda K-154
 -  Alloy
 -  MD
 -  kg 12,9
 - 

- Ibiza city**
BP603
-  Ibiza Alloy Folding
 -  Emotion CR-MO 20"
 -  Shimano FT30 6 SP
 -  Steel 52T
 -  Kenda K-154
 -  Alloy
 -  MD
 -  kg 13,2
 - 



trekking series

folding

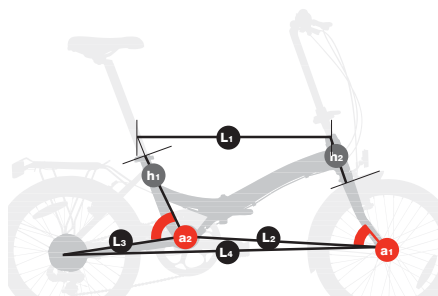


126

trekkingSERIES


ibiza max BP703


Frame	Ibiza Alloy Folding	Rims	Alloy 20" Double Wall
Fork	Emotion CR-MO 20"	Tires	Kenda K-154
Stem	Emotion Telescopic Adjustable	Hubs	Alloy
Headset	Integrated	Spokes	Stainless Steel
Shift levers	Microshift MS-16	Saddle	Emotion Comfort Light
Rear Derailleur	Shimano FT30 6 SP	Seat Clamp	Quick Release
Front Derailleur	-	Seatpost	Emotion Alloy 31,6mm
Chainwheel	Alloy 52T	Handlebar	Emotion Travel Alloy
B.B Set	Integrated	Grips	Ergonomic
Cassette	Shimano TZ20 6 SP (14-28)	Pedals	Alloy Foldable Antislip
Chain	KMC Z33	Weight	12,9 Kg
Brake Levers	V-Brake Alloy		



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
MD	345	100	640	655	415	1.070	70	70	1.578

 600 x 810 x 420mm

colors	code
	B16

Accessories	Chain guard, fenders, carrier with elastic bands, kickstand, chainstay protector and bell
Lighting	Rear reflector and wheel reflector

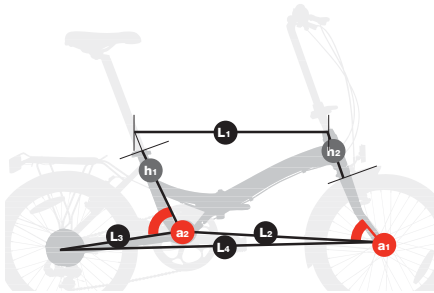


127

trekkingSERIES


ibiza city BP603

Frame	Ibiza Alloy Folding	Rims	Alloy 20" Double Wall
Fork	Emotion CR-MO 20"	Tires	Kenda K-154
Stem	Emotion Telescopic	Hubs	Alloy
Headset	Integrated	Spokes	Stainless Steel
Shift levers	Microshift MS-16	Saddle	Emotion Comfort Light
Rear Derailleur	Shimano FT30 6 SP	Seat Clamp	Quick Release
Front Derailleur	-	Seatpost	Emotion Alloy 31,6mm
Chainwheel	Steel 52T	Handlebar	Emotion Travel Alloy
B.B Set	Integrated	Grips	Confort
Cassette	Shimano TZ20 6 SP (14-28)	Pedals	Alloy Foldable Antislip
Chain	KMC Z33	Weight	13,2 Kg
Brake Levers	V-Brake Alloy		



Dimensions in mm.

Size	h1	h2	L1	L2	L3	L4	a1	a2	Total
MD	345	100	640	655	415	1.070	70	70	1.578

 600 x 810 x 420mm

colors	code
	G07

Accessories	Chain guard, fenders, carrier, kickstand, chainstay protector and bell
Lighting	Rear reflector and wheel reflector

SPORT

**The fastest all
terrain bicycles**

trekking
series

128





The Sport Series bicycles are all terrain bikes. They have been designed for those who have no limits.

For those who fully enjoy life and want a bike that adapts to their pace of life. They are perfect for travelling in the city and going for a casual trip on the weekend or for a ride in the countryside.

BH has manufactured these models using 7005 aluminium, which enables you to design frames that are 100% ergonomic and sporty looking. The updated Sport Series is light and versatile, has an aggressive design and, at the same time, is an urban series.

You will enjoy a high performance bicycle thanks to its high range components, adjustable carbon forks, and puncture-proof and reflective tyres. This is all the equipment you can ask for in a bicycle with these features. You can find them in sporty and fun colours.



SPORT

*All-terrain bicycles as usual,
faster than ever*

sport

130



- Silvertip** Alloy Hydrof. 28" Cross DISC Shimano Acera 3 SP SM, MD, LA
TS703 Suntour Swing Shock Rubena 700*35 kg 12,8
 Shimano SLX 10 SP Alloy



- Altair** Alloy Hydrof. 28" Cross Disc Shimano Acera 3 SP SM, MD, LA
TS603 Emotion Carbono Rubena 700*35 kg 11,4
 Shimano Deore 9 SP Alloy



- Mega** Alloy Hydrof. 28" Cross Disc Suntour XCR T428 3 SP SM, MD, LA
TS503 Suntour Swing Shock Rubena 700*35 kg 13
 Shimano Alivio 8 SP Alloy



Orion
TS403

	Alloy Hydrof. 28" Cross Disc		Suntour Nex 208 3 SP		SM, MD, LA
	Suntour Nex 4610		Rubena 700*35		14,8
	Shimano Acera 8 SP		Alloy		



Beartrack
TS303

	Alloy Hydrof. 28" Cross		Suntour Nex 208 3 SP		SM, MD, LA, XL
	Suntour NEX-4610		Rubena 700*35		14,8
	Shimano Acera 8 SP		Shimano Alloy		



Beartrack mix
TS313

	Alloy Hydrof. 28" Cross Mix		Suntour Nex 208 3 SP		SM, MD, LA
	Suntour NEX-4610		Rubena 700*35		14,8
	Shimano Acera 8 SP		Shimano Alloy		



Renegade
TS203

	Alloy Hydrof. 28" Cross		Suntour XR-178 3 SP		SM, MD, LA, XL
	Suntour M3010		Rubena 700*38 Hook		13,9
	Shimano TX75 7 SP		Alloy		

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Renegade mix
TS213

	Alloy Hydrof. 28" Cross Mix		Suntour XR-178 3 SP		SM, MD, LA
	Suntour M3010		Rubena 700*38 Hook		13,9
	Shimano TX75 7 SP		Alloy		



Confort
TS103

	Alloy Comfort 26"		Suntour NEX 208 3 SP		SM, MD, LA
	Emotion Suspension 26"		Rubena 26*1,6 Shield Clever		14,1
	Shimano TX75 7 SP		Alloy		

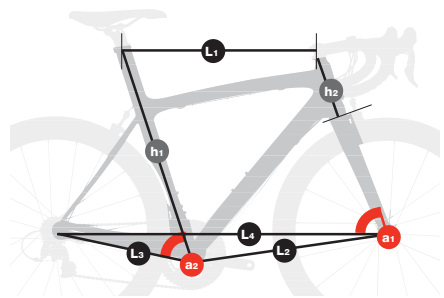


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trekkingSERIES


Silvertip TS703

- | | | | |
|------------------|------------------------------|------------|---|
| Frame | Alloy Hydrof. 28" Cross Disc | Rims | Alloy 28" Double Wall |
| Fork | Suntour Swing Shock | Tires | Rubena 700*35   |
| Stem | Emotion Cross | Hubs | Alloy |
| Headset | Integrated | Spokes | Stainless Steel |
| Shift levers | Shimano Deore | Saddle | Emotion Cross |
| Rear Derailleur | Shimano SLX 10 SP | Seat Clamp | Alloy |
| Front Derailleur | Shimano Deore | Seatpost | Emotion Light Alloy 27,2mm |
| Chainwheel | Shimano Acera 3 SP | Handlebar | Emotion Cross Light Alloy |
| B.B Set | Integrated | Grips | Ergonomic |
| Cassette | Shimano Deore 10 SP (11-36H) | Pedals | Marwi Alloy Safety Pedal |
| Chain | Shimano H654 | Weight | 12,8 Kg |
| Brake Levers | Shimano M505 160mm | | |



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	450	160	554	644	445	1.080	70	73	1.791
MD	500	160	570	659	445	1.095	70	73	1.806
LA	550	170	599	684	445	1.120	70	73	1.831

colors	code
	MATT-431

- Accessories Chainstay protector and bell
- Lighting Rear reflector and wheel reflector

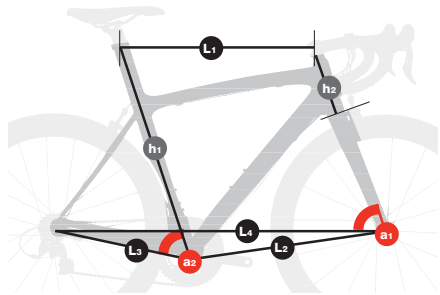


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trekkingSERIES


Altair TS603

- | | | | |
|------------------|------------------------------|------------|---|
| Frame | Alloy Hydrof. 28" Cross Disc | Rims | Alloy 28" Double Wall |
| Fork | Emotion Carbono | Tires | Rubena 700*35   |
| Stem | Emotion Cross | Hubs | Alloy |
| Headset | Integrated | Spokes | Stainless Steel |
| Shift levers | Shimano Alivio | Saddle | Emotion Cross |
| Rear Derailleur | Shimano Deore 9 SP | Seat Clamp | Alloy |
| Front Derailleur | Shimano M190 | Seatpost | Emotion Light Alloy 27,2mm |
| Chainwheel | Shimano Acera 3 SP | Handlebar | Emotion Cross Light Alloy |
| B.B Set | Integrated | Grips | Ergonomic |
| Cassette | Shimano HG-50 9 SP (11-32T) | Pedals | Marwi Alloy Safety Pedal |
| Chain | KMC Z99 | Weight | 11,4 Kg |
| Brake Levers | Shimano M395 160mm | | |



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	450	160	554	644	445	1.080	70	73	1.791
MD	500	160	570	659	445	1.095	70	73	1.806
LA	550	170	599	684	445	1.120	70	73	1.831

colors	code
	MATT-431

- Accessories Chainstay protector and bell
- Lighting Rear reflector and wheel reflector

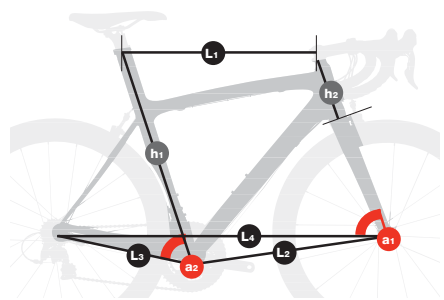


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trekkingSERIES


Mega TS503

- | | | | |
|------------------|------------------------------|------------|---|
| Frame | Alloy Hydrof. 28" Cross Disc | Rims | Alloy 28" Double Wall |
| Fork | Suntour Swing Shock | Tires | Rubena 700*35   |
| Stem | Emotion Cross | Hubs | Alloy |
| Headset | Integrated | Spokes | Stainless Steel |
| Shift levers | Shimano Acera | Saddle | Emotion Cross |
| Rear Derailleur | Shimano Alivio 8 SP | Seat Clamp | Alloy |
| Front Derailleur | Shimano M190 | Seatpost | Emotion Alloy 27,2mm |
| Chainwheel | Suntour XCR T428 3 SP | Handlebar | Emotion Cross Alloy |
| B.B Set | Integrated | Grips | Ergonomic |
| Cassette | Shimano HG-40 8 SP (11-32T) | Pedals | Alloy Safety Pedal |
| Chain | KMC Z51 | Weight | 13 Kg |
| Brake Levers | Shimano M395 160mm | | |



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	450	160	554	644	445	1.080	70	73	1.791
MD	500	160	570	659	445	1.095	70	73	1.806
LA	550	170	599	684	445	1.120	70	73	1.831

colors	code
	005

- Accessories Chainstay protector and bell
- Lighting Rear reflector and wheel reflector

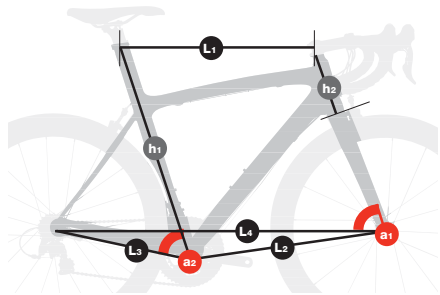


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trekkingSERIES

Orion TS403

- | | | | |
|------------------|------------------------------|------------|-----------------------|
| Frame | Alloy Hydrof. 28" Cross Disc | Rims | Alloy 28" Double Wall |
| Fork | Suntour NEX 4610 | Tires | Rubena 700*35 |
| Stem | Emotion Cross | Hubs | Alloy |
| Headset | Integrated | Spokes | Stainless Steel |
| Shift levers | Shimano Acera | Saddle | Emotion Cross |
| Rear Derailleur | Shimano Acera 8 SP | Seat Clamp | Alloy |
| Front Derailleur | Shimano M190 | Seatpost | Emotion Alloy 27,2mm |
| Chainwheel | Suntour NEX 208 3 SP | Handlebar | Emotion Cross Alloy |
| B.B Set | Integrated | Grips | Ergonomic |
| Cassette | Shimano HG-40 8 SP (11-32T) | Pedals | Antislip |
| Chain | KMC Z51 | Weight | 14,8 Kg |
| Brake Levers | Shimano M395 160mm | | |



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	450	160	554	644	445	1.080	70	73	1.791
MD	500	160	570	659	445	1.095	70	73	1.806
LA	550	170	599	684	445	1.120	70	73	1.831

colors	code
	MATT-431

- Accessories Chainstay protector and bell
- Lighting Rear reflector and wheel reflector

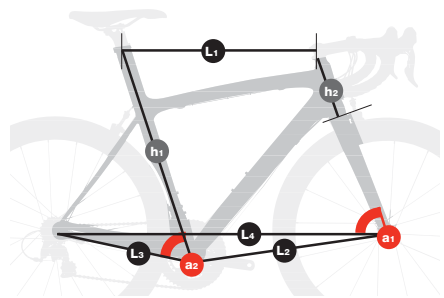


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trekking SERIES

Beartrack TS303

Frame	Alloy Hydrof. 28" Cross	Rims	Alloy 28" Double Wall
Fork	Suntour NEX-4610	Tires	Rubena 700*35
Stem	Emotion Alloy Adjustable	Hubs	Shimano Alloy
Headset	Integrated	Spokes	Stainless Steel
Shift levers	Shimano EF-51	Saddle	Emotion Ergo
Rear Derailleur	Shimano Acera 8 SP	Seat Clamp	Quick Release
Front Derailleur	Shimano M190	Seatpost	Emotion Alloy Suspension 27,2mm
Chainwheel	Suntour NEX 208 3 SP	Handlebar	Emotion Travel Alloy
B.B Set	Integrated	Grips	Ergonomic
Cassette	Shimano HG-40 8 SP (11-32T)	Pedals	Alloy Safety Pedal
Chain	KMC Z51	Weight	14,8 Kg
Brake Levers	V-Brake Alloy		



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	450	160	554	644	445	1.080	70	73	1.791
MD	500	160	570	659	445	1.095	70	73	1.806
LA	550	170	599	684	445	1.120	70	73	1.831
XL	600	170	634	709	445	1.145	70	73	1.856

colors	code
	005
	MATT-431

Accessories Kickstand, chainstay protector and bell

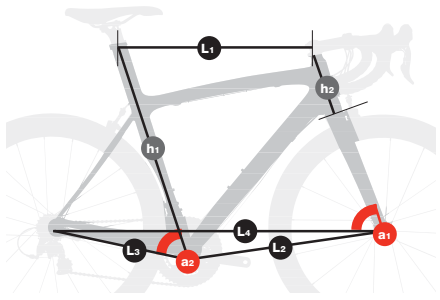
Lighting Rear reflector and wheel reflector



137

trekkingSERIES **Beartrack mix** TS313

- | | | | |
|------------------|-----------------------------|------------|---------------------------------|
| Frame | Alloy Hydrof. 28" Cross Mix | Rims | Alloy 28" Double Wall |
| Fork | Suntour NEX-4610 | Tires | Rubena 700*35 |
| Stem | Emotion Alloy Adjustable | Hubs | Shimano Alloy |
| Headset | Integrated | Spokes | Stainless Steel |
| Shift levers | Shimano EF-51 | Saddle | Emotion Ergo |
| Rear Derailleur | Shimano Acera 8 SP | Seat Clamp | Quick Release |
| Front Derailleur | Shimano M190 | Seatpost | Emotion Alloy Suspension 27,2mm |
| Chainwheel | Suntour NEX 208 3 SP | Handlebar | Emotion Travel Alloy |
| B.B Set | Integrated | Grips | Ergonomic |
| Cassette | Shimano HG-40 8 SP (11-32T) | Pedals | Alloy Safety Pedal |
| Chain | KMC Z51 | Weight | 14,8 Kg |
| Brake Levers | V-Brake Alloy | | |



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	400	150	540	630	445	1.066	70	73	1.777
MD	470	160	559	650	445	1.086	70	73	1.797
LA	540	170	592	679	445	1.115	70	73	1.826

colors	code
	005
	MATT-431

Accessories Kickstand, chainstay protector and bell

Lighting Rear reflector and wheel reflector

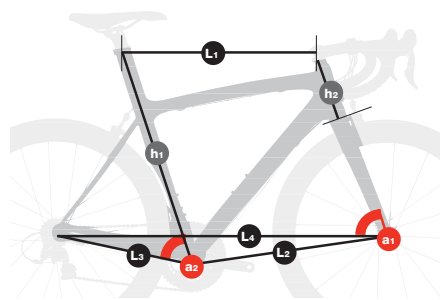


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trekking SERIES

Renegade TS203

Frame	Alloy Hydrof. 28" Cross	Rims	Alloy 28"
Fork	Suntour M3010	Tires	Rubena 700*38 Hook
Stem	Emotion Alloy Adjustable	Hubs	Alloy
Headset	Integrated	Spokes	Steel
Shift levers	Microshift MS-16	Saddle	Emotion Ergo
Rear Derailleur	Shimano TX75 7 SP	Seat Clamp	Quick Release
Front Derailleur	Shimano M190	Seatpost	Emotion Alloy 27,2mm
Chainwheel	Suntour XR-178 3 SP	Handlebar	Emotion Travel Alloy
B.B Set	Integrated	Grips	Ergonomic
Cassette	Shimano Tourney TZ21 7 SP (14-28)	Pedals	Antislip
Chain	KMC Z51	Weight	13,9 Kg
Brake Levers	V-Brake Alloy		



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	450	160	554	644	445	1.080	70	73	1.791
MD	500	160	570	659	445	1.095	70	73	1.806
LA	550	170	599	684	445	1.120	70	73	1.831
XL	600	170	634	709	445	1.145	70	73	1.856

colors	code
	005
	MATT-431

Accessories Kickstand, chainstay protector and bell

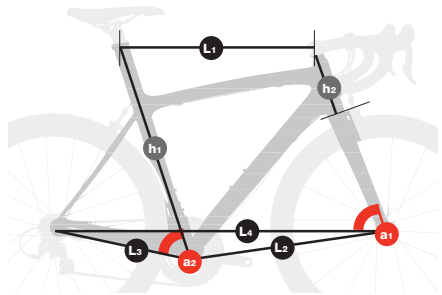
Lighting Rear reflector and wheel reflector



139

trekkingSERIES **Renegade mix** TS213

- | | | | |
|------------------|-----------------------------------|------------|----------------------|
| Frame | Alloy Hydrof. 28" Cross Mix | Rims | Alloy 28" |
| Fork | Suntour M3010 | Tires | Rubena 700*38 Hook |
| Stem | Emotion Alloy Adjustable | Hubs | Alloy |
| Headset | Integrated | Spokes | Steel |
| Shift levers | Microshift MS-16 | Saddle | Emotion Ergo |
| Rear Derailleur | Shimano TX75 7 SP | Seat Clamp | Quick Release |
| Front Derailleur | Shimano M190 | Seatpost | Emotion Alloy 27,2mm |
| Chainwheel | Suntour XR-178 3 SP | Handlebar | Emotion Travel Alloy |
| B.B Set | Integrated | Grips | Ergonomic |
| Cassette | Shimano Tourney TZ21 7 SP (14-28) | Pedals | Antislip |
| Chain | KMC Z51 | Weight | 13,9 Kg |
| Brake Levers | V-Brake Alloy | | |



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	400	150	540	630	445	1.066	70	73	1.777
MD	470	160	559	650	445	1.086	70	73	1.797
LA	540	170	592	679	445	1.115	70	73	1.826

colors	code
	005
	MATT-431

Accessories Kickstand, chainstay protector and bell

Lighting Rear reflector and wheel reflector

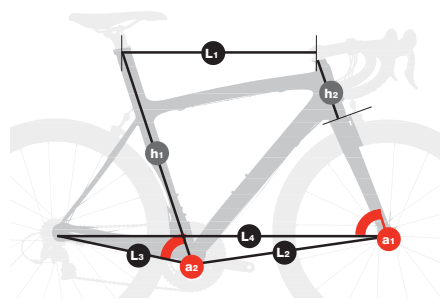


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trekkingSERIES

Confort TS103

Frame	Alloy Comfort 26"	Rims	Alloy 26" Double Wall
Fork	Emotion Suspension 26"	Tires	Rubena 26*1,6 Shield Clever
Stem	Emotion Alloy Adjustable	Hubs	Alloy
Headset	Integrated	Spokes	Steel
Shift levers	Microshift DS-85	Saddle	Emotion Touring
Rear Derailleur	Shimano TX75 7 SP	Seat Clamp	Quick Release
Front Derailleur	Shimano M190	Seatpost	Emotion Alloy Suspension 27,2mm
Chainwheel	Suntour NEX 208 3 SP	Handlebar	Emotion Travel Alloy
B.B Set	Integrated	Grips	Ergonomic
Cassette	Shimano Tourney TZ21 7 SP	Pedals	Antislip
Chain	KMC Z51	Weight	14,1 Kg
Brake Levers	V-Brake Alloy		



Dimensions in mm.

Size	h ₁	h ₂	L ₁	L ₂	L ₃	L ₄	a ₁	a ₂	Total
SM	340	105	530	604	425	1.032	70	73	1.692
MD	390	125	530	-	425	-	70	73	-
LA	440	140	545	-	425	-	71	73	-

colors	code
	611

Accessories	Chainstay protector and bell
Lighting	Rear reflector and wheel reflector



The procedure for extending a warranty 1 or 2 years can be accessed via www.bh-emotion.com

- Electric bicycles will include an extended warranty card.
- The end user may request a +1 or +2 extended warranty directly via our warranty web page, within one month from the purchase of the bicycle, and the following information must be provided for this purpose:
 - *Type of extended warranty. Either “+1” or “+2”.*
 - *Model of bicycle for the warranty.*
 - *Battery serial number.*
 - *Extended warranty date. The date on which this is provided.*
 - *Sale invoice number given to the user.*
 - *Sale invoice date given to the user.*
 - *User name.*
 - *Address.*
 - *Telephone.*
 - *E-mail.*

- Once this data has been entered, the system will check:
 - *That the extended warranty date falls within the +1 month sale invoice date of the user.*
 - *That the bicycle model is MY2012, i.e., that it starts with the letter E.*

The system will use all that information to generate an extended warranty number and a pdf file (with the warranty number and conditions), which will be sent to the user by e-mail, once the payment has been received via the online payment gateway.

- Furthermore, once this warranty number has been generated, a delivery note will be generated and an invoice will be issued according to the type of warranty (+1 or +2).

- For all warranty claims, the end user will be requested to provide the following at a BH store:
 - *The sale invoice issued to the final customer.*
 - *The battery serial number.*
 - *The bicycle model.*

The warranty can then be checked to determine if it is valid and in order. If this is the case, the battery will be replaced.

Example:

Extended warranty no.

XXXXXXXXXX

Type of extension

+1

EMOTION extended warranty conditions

1. The extended warranty specifies that it covers the BH EMOTION electric bicycle battery. It also states that it is governed by the laws of the country in which it is purchased and it may only be applied to bicycles acquired at an authorised European BH EMOTION retailer.
2. Batteries are guaranteed against manufacturing defects for a 3 year period (extended warranty +1) or 4 year period (extended warranty +2), starting from the date on which it is purchased by the buyer from the authorised BH EMOTION retailer.
3. This extended warranty does not mean that the battery will not malfunction or that it will be last for an indefinite period. It only implies that the battery is covered by the extended warranty, as set forth in the corresponding conditions.
4. This extended warranty only applies to the original buyer of a BH EMOTION electric bicycle and may not be transferred to any subsequent owners.
5. The bicycle and the battery should be taken to an authorised BH EMOTION retailer of the country in which it was purchased in order to make a warranty claim. The bicycle must be fully assembled and the original invoice must be provided along with the purchase date (it should be kept in a safe place).
6. Following an in-depth review of the battery in question, all warranties are subject to the decision made by our engineers concerning the nature of the fault.
7. This extended warranty will be cancelled and rendered ineffective, in the following instances:
 - *Improper use.*
 - *Negligent use.*
 - *When it is hired out.*
 - *For use in competition of any kind.*
 - *Repairs and/or maintenance.*
 - *Changes and/or modifications.*
 - *Accidents.*

This extended warranty only covers batteries which were fully assembled when purchased and put together at an authorised BH EMOTION retailer, or any other point of sale which has the express authorisation of BH EMOTION to market its bicycles.
8. This warranty does not cover:
 - *Damage arising from faulty assembly and maintenance and/or the installation of pieces and accessories which are not compatible with the BH EMOTION bicycle.*
 - *Damage suffered by the original buyer of the bicycle, regardless of how the damage was caused.*
 - *Damage caused by the original buyer of the bicycle to third parties, regardless of how the damage was caused.*
 - *Gradual deterioration of the battery in the course of its intended use.*
9. All labour expenses related to the application of the warranty are to be met by the owner of the bicycle. During the period of application of the warranty, BH will repair all batteries or, if necessary, will replace the battery with another of the same model or the most similar model from those available.

**2 year Warranty for the entire EMOTION range;
components and battery.**

Two extended warranties on the battery model:

- Extended warranty +1: 3 years for battery (€150 retail price).
- Extended warranty +2: 4 years for battery (€300 retail price).

warranty





NEO
IBS
FDS

146 General concepts

147 General diagnosis

148 Technology NEO (*"RDS" Rear Drive System*)

148 1. Operation errors

149 2. Assembly

151 3. Others (Replacing and changing the wheel rear / Replace the battery key / Adjust the torque sensor)

152 4. Components

Technology IBS Bosch (*to see page 147*)

154 Technology IBS Panasonic (*Integrated Bottom Bracket System*)

154 1. Operation errors

156 2. Assembly

157 3. Others (Replace the battery key / Incorporate the light)

158 4. Components

160 Technology FDS (*Front Drive System*)

160 1. Operation errors

162 2. Assembly

165 3. Others (Replace the motorized wheel / Replace the battery key / Adjust the torque sensor)

166 4. Components

service

after-

sales



Concepts

I. Repairs

In order to offer an optimal after sales service for bh emotion bikes **that are out of the warranty period or conditions**, bh will replace the broken components of the electric system under a given budget.

II. Replacements

Bh will not sell replacement components to the dealers except for warranties or repairs. Batteries and chargers are not included.

III. Warranties

In order to optimize after sales service for bh emotion bikes that **are considered under the warranty period or conditions**, bh will replace the broken components of the electric system for free.

In normal conditions of use, conservation and maintenance, bh offers a 2 year warranty for material and manufacturing defects in the entire bicycle and electrical components.

Regarding batteries, the warranty is valid for 2 years from the delivery date.

This warranty only applies to the main owner and in no case and under no circumstance are the rights given by the warranty programme transferable.

Consult the terms and conditions of the warranty in the warranty card which is provided separately with your bh emotion.

IV. Exceptions

1. *The warranty does not apply to parts:* which are subject to wear and tear, such as tyres, chains, brakes, cables, chain rings, direction, crankset and sprockets, providing that they do not present material or assembly defects.

2. *The warranty shall be invalidated in the following cases:*

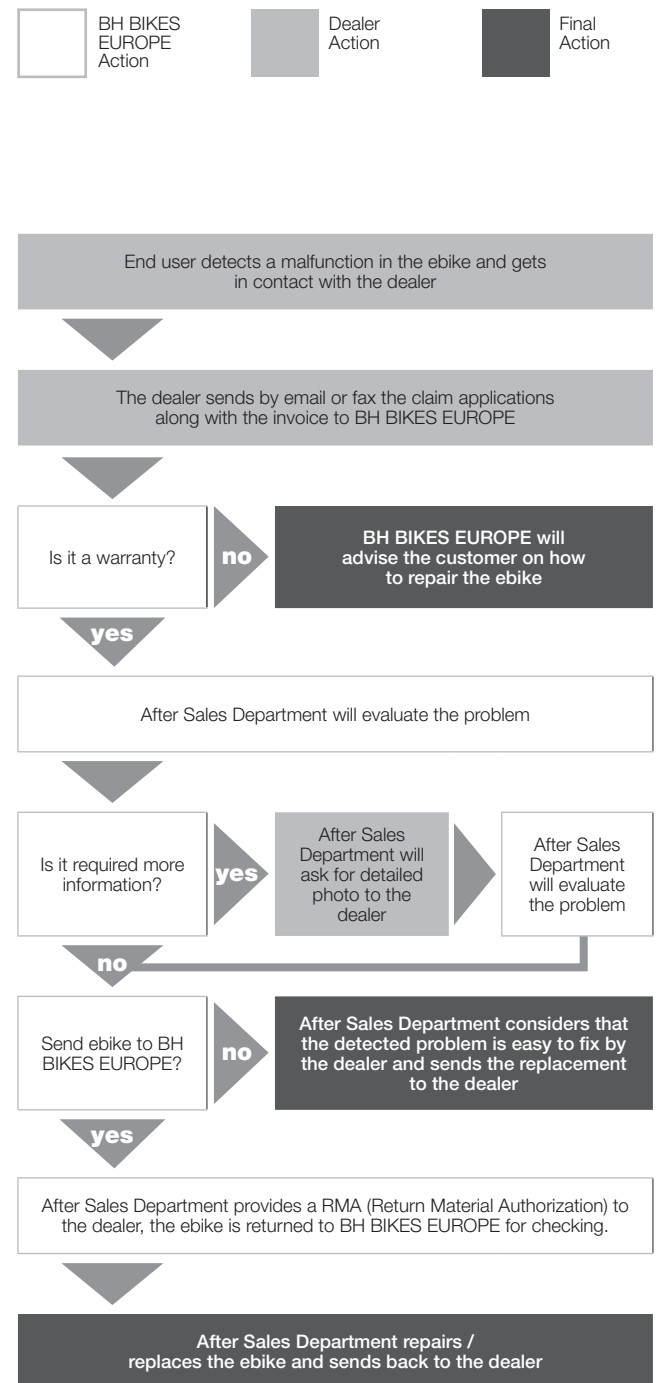
- The bicycle has been damaged due to its use in competitions, jumps, descents, events or as a result of being exposed - or ridden - in extreme conditions or climate.
- The bicycle has been in an accident.
- The bicycle has been used in an unsuitable way or any other way which is uncommon considering the type of bicycle.
- The bicycle has not been repaired in accordance with the maintenance instructions manual.
- The bicycle has been repaired or maintenance has been carried out by a non-authorized bh distributor.
- Non-original bicycle parts have been assembled.
- The original owner has transferred the bicycle to a third party.

V. Liabilities

1. Bh assumes no responsibilities regarding damages to (parts of) the bicycle produced by an incorrect adjustment of mobile bicycle parts, the unsuitable use and/or maintenance of the bicycle (including a late replacement of parts subject to wear and tear).
2. In the event that bh accepts a warranty claim, this does not imply, in any case, the acceptance of responsibilities due to the possible damages incurred. In the event of a dispute regarding damages suffered (subsequent), bh shall be exempt of any responsibility to that effect, as it is not legally bound to compensation.

Any non-authorized manipulation of the electrical system's components may be dangerous and shall be considered a reason for annulment of the warranty.

After sales procedure



general diagnosis

Identification of the pedal assistance system (PAS)



NEO

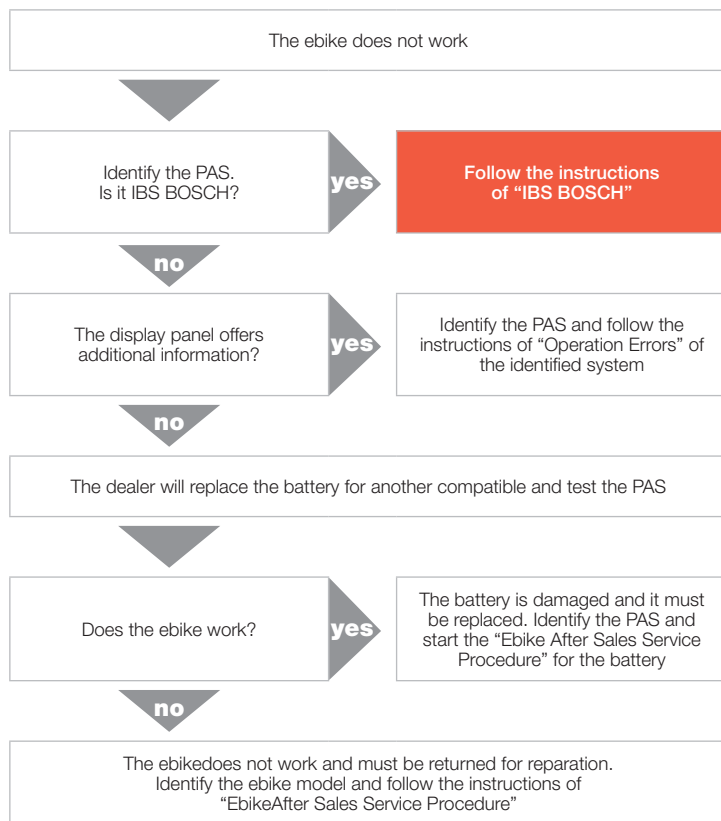


IBS



FDS

Malfunction of the PAS



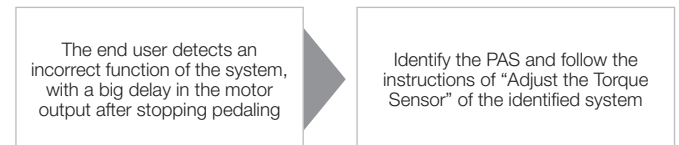
Replace the motorized wheel (FDS and NEO)



Replace the battery key



Adjust the torque sensor (FDS and NEO)



Incorporate the light in IBS Panasonic



Tec. IBS BOSCH Integrated Bottom bracket System

IBS BOSCH service will be handled directly by BOSCH through the "Bosch eBike Service Hotline".

The hotline will be multilingual: English, French, German, Spanish and Italian.

Hotline field of responsibility includes:

- Questions about the Bosch eBike System. Spare parts ordering.
- Warranty. Information about recycling and training schedules.

Bosch eBike Service Hotline

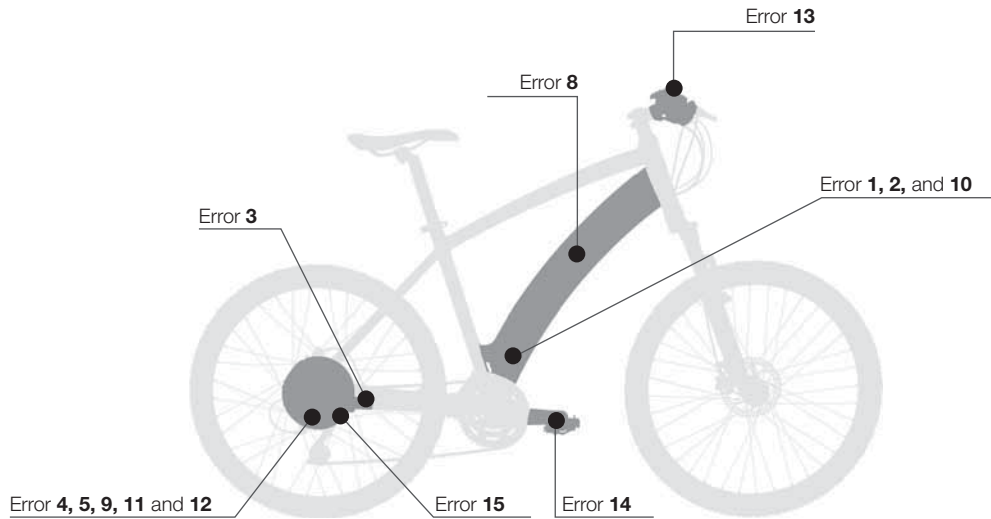
Schedule:

Monday to Friday between 9:00 and 18:00.
Phone: + 49 (0)7121 766 6000.

Email:

dealer.ebikeservice@de.bosch.com

1. operation errors



Description	Error	Observations
System overcurrent	01	Check that the connection between the motor and the controller is correct. If not, replace the controller.
System overcurrent	02	Replace the controller.
TMM Sensor	03	Check that the connection between the TMM sensor and the controller is correct. Check to see if the output of the TMM sensor exceeds the normal range, it must be 0.1V-3.5V.
Motor error	04	Check the motor or controller connector.
Motor sensor error	05	Check that the connection between the motor and the controller is correct. If the sensor inside the motor is broken, replace the sensor or motor with a new one. Check that the connection between the motor cable and the controller is correct. If not, replace the controller.
Battery low	08	Check the battery level or replace it with a new one.
Motor blocked	09	Motor stopped due to accident. Motor off.
System overcurrent	10	If there is a bad contact bad between the controller and the motor connector, replace it with a new one.
Overheating	11	If the temperature exceeds the set value, the current gradually weakens.
Protection against overheating	12	Enters into temperature protection mode, and the controller stops.
Communication error	13	Check the cable and the connector.
Pedal error	14	Take your foot off the pedal and switch on again.
Sensor error	15	Readjust the sensor.

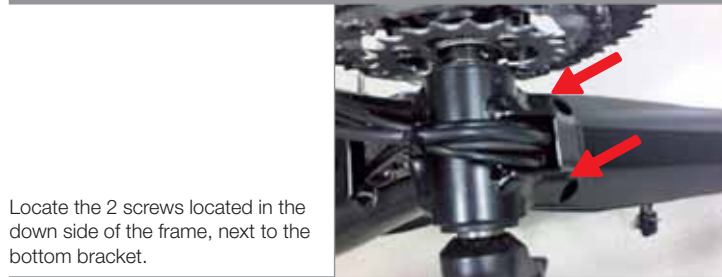
2. assembly

Any manipulation must be done with the battery and system disconnected.



Remove the battery from the ebike.

1



Locate the 2 screws located in the down side of the frame, next to the bottom bracket.

2



Remove the 2 screws.

3



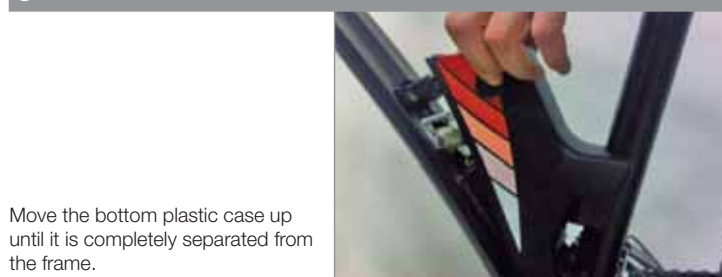
Locate and remove the 3 screws in the front of the bottom plastic case.

4



Remove the 2 screws that fix the connector to the frame. Removing the bottom plastic case will be easier.

5



Move the bottom plastic case up until it is completely separated from the frame.

6



Locate and remove the 2 screws that fix the battery lock plate.

7



At this point, the battery lock plate and the lock can be released from the frame.

8



Locate and remove the 2 screws that fix the controller to the frame reinforcement plates.

9



Locate and disconnect the plug that connects the controller to the BATTERY (white plug).

10



Locate and disconnect the cables that connect the controller to the MOTOR (BLUE, GREEN and YELLOW cables and 6 pin plug).

11



Locate and disconnect the cables that connect the controller to the TORQUE SENSOR (3 pin plug).

12



Locate and disconnect the cables that connect the controller to the DISPLAY PANEL (5 pin plug). At this point, the controller can be released completely. The 2 pin plug is for the light connection.



13

The electric cables are linked to the system through the display panel with you black plugs in the handlebar.



14

150

For the final assembly of the system, follow the previous instructions in reverse. For the perfect adjustment of the battery, the connector must be located in the correct position. The connector has 2 holes with gap that lets small movement for a perfect fitting.



15

Make sure that all the plugs are correctly connected.
Any bad or incorrect connection may damage the system.

3.others

Any manipulation must be done with the battery and system disconnected.

3.1 Replacement of the rear wheel

Disconnecting the motor's cable.



To replace the back wheel you must disconnect the cable from the joint located behind the rear chainstay

1



Unscrew the nut and also remove the rear washer, taking care to leave the opening of the black tube facing downwards.

2



Unscrew the nut on the left side.

3



As well as the safety clamp, to be able to remove it.

4

You can now take off the wheel, replace it with a new one, and then repeat the process in reverse.

3.2 Replace the battery key



In case the user loses the battery key, please follow the steps in "Assembly - NEO" from step 1 to step 8 and release the lock from the plate by removing the screw.

1

3.3 Adjust the torque sensor

The inaccurate adjustment of the torque sensor may cause incorrect functions in the motor assistance. For these cases, the controller software includes some additional securities to avoid any related risk. It is necessary to know how the torque sensor works in order to adjust it if any malfunction appears.

The torque sensor reads the tension of the chain, which is proportional to the torque generated by the user on the pedal. It is mounted in the right-hand side rear drop out and it is joint to the frame by three M6 screws.

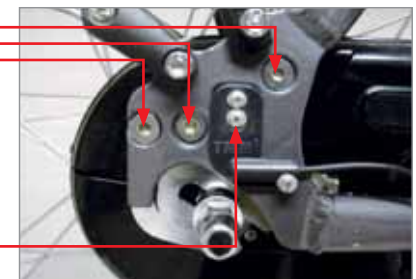
It is not necessary to remove the torque sensor to remove the rear wheel. The rear wheel can be easily removed, same as in a standard bicycle.

Besides, the torque sensor is totally sealed and can be cleaned with water for a correct performance.

In case the torque sensor is removed, please apply the correct torque to the screws. An incorrect applied torque may generate a malfunction of the ebike.

3 x M6
Max = 10,0+1,0Nm



2 x M3
Max = 1,0+0,2Nm



4. components

152

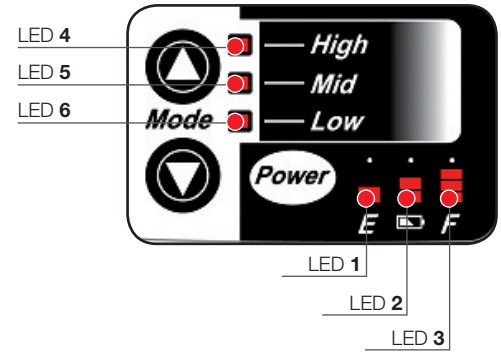
		ref.	price
Battery NEO			
	XTREM	387191800	319,00 €
	CITY	387191900	
	CROSS	387192000	
	VOLT	NEO 007	
	VOLT SPORT	NEO 008	
	STREET	NEO 009	
	JUMPER	NEO 010	
	29ER	NEO 011	
	RACE	NEO 012	
	CARBON	NEO 013	
	NITRO	NEO 014	
Charger NEO			
		387188100	69,00 €
Top plastic case			
		NEO001	10,00 €
Bottom plastic case NEO			
	XTREM	NEO 015	10,00 €
	CITY	NEO 016	
	CROSS	NEO 017	
	VOLT	NEO 018	
	VOLT SPORT	NEO 019	
	STREET	NEO 020	
	JUMPER	NEO 021	
	29ER	NEO 022	
	RACE	NEO 023	
	CARBON	NEO 024	
	NITRO	NEO 025	
Controller NEO			
	36V	386107500	50,00 €
	48V (NEO NITRO)	NEO 026	

		ref.	price	
Rear motor and wheel NEO				
	VOLT / VOLT SPORT	NEO 027	200,00 €	
	XTREM / JUMPER	387188200	200,00 €	
	STREET	NEO 028	200,00 €	
	CITY	387188300	200,00 €	
	CARBON	NEO 029	200,00 €	
	RACE	NEO 030	200,00 €	
	NITRO	NEO 031	400,00 €	
	29ER	NEO 032	200,00 €	
	Battery lock and keys			
			387192500	15,00 €
Battery lock plate				
		386108000	10,00 €	
LCD display				
		386107600	50,00 €	
Brake lever disc				
	Right	386107300	60,00 €	
	Left	386107200		
Brake lever V-BRAKE				
	Right	384554400	10,00 €	
	Left	384554500		
Torque sensor				
		387192700	50,00 €	
Control unit holder				
		386107700	25,00 €	
NEO Rear spokes				
	26" 13X193	352174400	5,00 €	
	26" 13X192	352174500		
	28" 13X223	352174600		
	28" 13X224	352174700		
	20" -1	NEO 033		
	20" -2	NEO 034		
	26" -1	NEO 035		
	26" -2	NEO 036		



1. operation errors

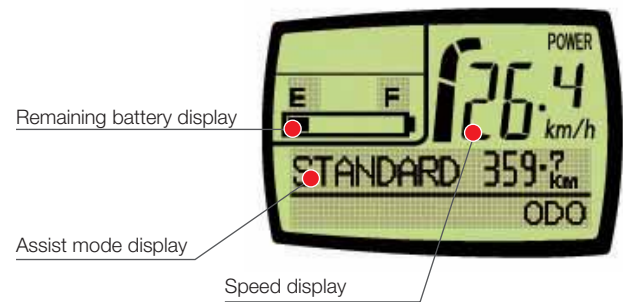
Models with LED display panel



Error Description	Comments	Assist Mode	Remaining battery LED			Assist mode LED		
			(E) ■ (LED 1)	■ ■ (LED 2)	(F) ■ ■ ■ (LED 3)	High (LED 4)	Mid (LED 5)	Low (LED 6)
Just after POWER ON	Shows set to zero for 2 seconds. Start-up in "Normal" mode.	All	All LED is ON (It takes max. 2 seconds to finalize ID approval communication)					
Low battery voltage (less than 10% of its capacity)	Charge the battery.	High Mid Low No assist	0.5Hz blinking	OFF	OFF	ON OFF OFF	OFF ON OFF	OFF OFF ON
Discharged battery (0% for assistance mode)	No pedal assistance. Charge the battery. Disconnect the lighting system.	All	2Hz blinking	OFF	OFF	OFF	OFF	OFF
Resetting error of the torque measurement sensor (*)	No pedal assistance. But the torque sensor may be set to zero by pressing the POWER button 2 times (Deactivate and activate again). Go to a BH store if the problem persists.	All	1 time ON			1 time ON		
Motor UNIT Error	No pedal assistance. The sensor cannot be set to zero. The motor must be replaced. Go to an BH store.	All	2 times ON			1 time ON		
Overheating	Leave to cool down and reduce to mode "Normal" or "Eco" mode.	High Mid Low No assist	Indicate remaining battery capacity			0.5Hz blinking OFF OFF	OFF 0.5Hz blinking OFF	OFF OFF 0.5Hz blinking
Extreme overheating	Leave to cool down and reduce to "Eco" mode.	High Mid Low No assist	Indicate remaining battery capacity			2Hz blinking OFF OFF	OFF 2Hz blinking OFF	OFF OFF 2Hz blinking
Speed sensor error	Fix the speed sensor correctly. If not possible, go to a BH store.	High Mid Low No assist	Indicate remaining battery capacity			blinking OFF OFF	OFF blinking OFF	OFF OFF blinking
Communication errors (Authorization error)	If the battery capacity falls below 10%, the "discharged battery" indicator will flicker.	High Mid Low No assist	1Hz blinking			OFF OFF OFF	OFF OFF OFF	OFF OFF OFF
Communication errors (ID approval error)	The components are not identified as compatible. Go to a BH store.	High Mid Low No assist	ON	OFF	OFF	ON OFF OFF	OFF ON OFF	OFF OFF ON

(*) Zero setting error: Customer should not load torque onto pedal for 1 seconds just after the Power ON since it takes 1 seconds for the Zero setting.

Models with LCD display panel



Error Description	Comments	Assist Mode	Remaining battery display					Assist mode display	Speed display
			(E)				(F)		
Just after POWER ON	Shows set to zero for 2 seconds. Start-up in "Normal" mode.	All	ON (2 seconds)					«No assist»	«Speed»
Low battery voltage (less than 10% of its capacity)	Charge the battery.	High Mid Low No assist	0.5Hz blinking	OFF	OFF	OFF	OFF	Selected mode	«Speed»
Discharged battery (0% for assistance mode)	No pedal assistance. Charge the battery. Disconnect the lighting system.	All	OFF	OFF	OFF	OFF	OFF	«No assist»	OFF
Resetting error of the torque measurement sensor (*)	No pedal assistance. But the torque sensor may be set to zero by pressing the POWER button 2 times (Deactivate and activate again). Go to a BH store if the problem persists.	All	Indicate remaining battery capacity					«No assist»	E1
Motor UNIT Error	No pedal assistance. The sensor cannot be set to zero. The motor must be replaced. Go to an BH store.	All	Indicate remaining battery capacity					«No assist»	E9
Overheating	Leave to cool down and reduce to mode "Normal" or "Eco" mode.	High Mid Low No assist	Indicate remaining battery capacity					1Hz blinking	«Speed»
Extreme overheating	Leave to cool down and reduce to "Eco" mode.	High Mid Low No assist	Indicate remaining battery capacity					1Hz blinking	«Speed»
Speed sensor error	Fix the speed sensor correctly. If not possible, go to a BH store.	High Mid Low No assist	Indicate remaining battery capacity					Selected mode	E2
Communication errors (Authorization error)	If the battery capacity falls below 10%, the "discharged battery" indicator will flicker.	High Mid Low No assist	ON	OFF	OFF	OFF	OFF	«No assist»	E3
Communication errors (ID approval error)	The components are not identified as compatible. Go to a BH store.	High Mid Low No assist	ON	OFF	OFF	OFF	OFF	Selected mode	«Speed»

(*) Zero setting error: Customer should not load torque onto pedal for 1 seconds just after the Power ON since it takes 1 seconds for the Zero setting.

2. assembly

Any manipulation must be done with the battery and system disconnected.

156

Slide the battery out and remove from its position.



1

Locate and remove the screw that fixes the chaincover.



2

Remove the chaincover by sliding it throughout the crank.



3

Locate and remove the screw that fixes the left plastic cover.



4

Remove the left plastic cover by pushing it slightly towards the front wheel.



5

Remove the fuse case located in the bottom bracket of the frame.



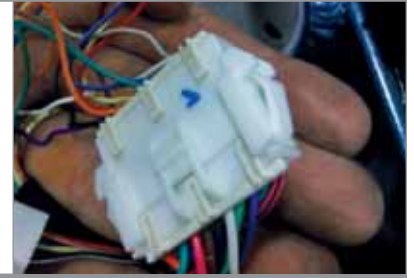
6

Move the cables and connectors from the fuse case.



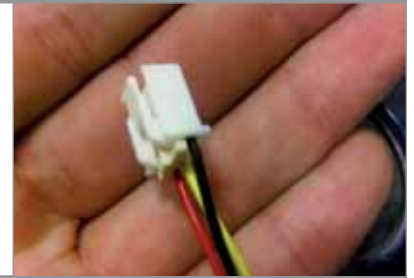
7

Disconnect the plug of the display panel.



8

Disconnect the plug of the front light.



9

Locate and remove the 2 screws that fix the battery holder to the frame.



10

Push the flange out of its position and move up the battery holder, until it is completely removed.



11

Disconnect the 3 pins that are linked to the connector.



12



3.others

3.1 Replace the battery key

In case the user loses the battery key, there are different cases:

The battery is not in the ebike:

The customer will take the battery lock cover by removing the screw

1



After that, the customer will remove the battery lock by unscrewing another screw.

2



The customer will ask for a new battery lock and keys, according to the component list.

The battery is in the ebike:

The customer shall drill and break the lock. Then the battery will be removed and the user can follow the previous instructions.

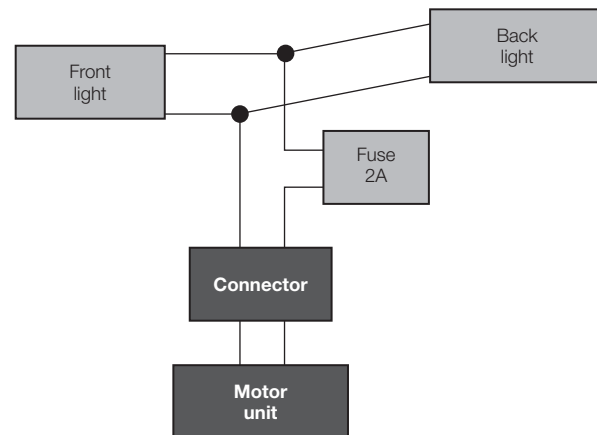
157

3.2 Incorporate the light

The lights to be incorporated to PANASONIC IBS must have specific features:

- Halogen light.
- Light of 6V and 3W (without diode).

Any light that does not accomplish with previous specs will break the 2A fuse of the electric circuit:



In case the fuse is broken, never shortcircuit. It will damage irreversibly.



Locate and remove the 3 screws that fix the motor to the frame.

13

For the final assembly, please follow the previous instructions in reverse.

14

Make sure that all the plugs are correctly connected. Any bad or incorrect connection may damage the system.

4. components

158

		price
	Ref: 387187600	
	Motor unit 26v (for LED display panel)	349,00 €
	Ref: 387190000	
	Motor unit 36v (for LED or LCD display panel)	349,00 €
	Ref: 387190100	
	Speed sensor 36V	20,00 €
	Ref: 387184000	
	Motor sprocket 9T	10,00 €
	Ref: 387185000	
	Motor sprocket 12T	10,00 €
	Ref: 387183800	
	Chainwheel 41T	10,00 €
	Ref: 387187100	
	Chainwheel washer 41T C TYPE	10,00 €
	Ref: 387191700	
	Motor cover	10,00 €

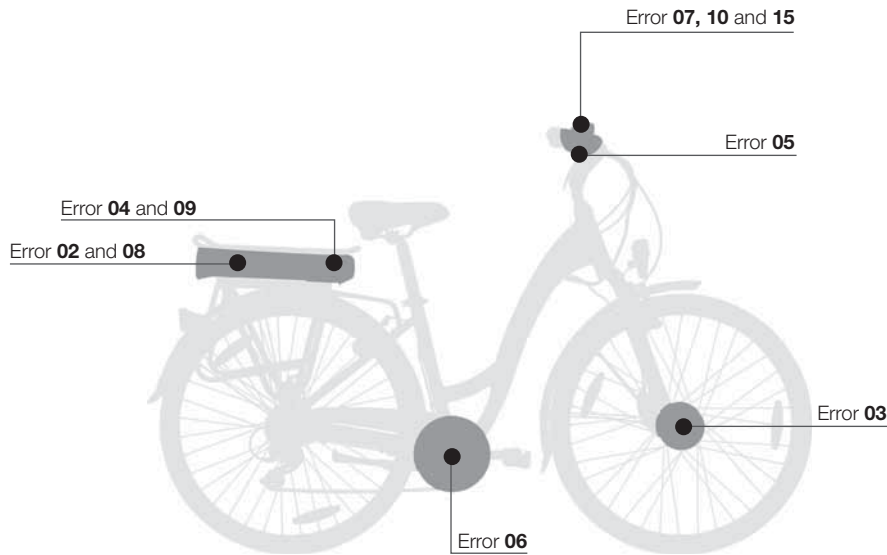
		price
	Ref: 387177900	
	Charger 26V PANASONIC	119,00 €
	Ref: 387189900	
	Charger 36V PANASONIC	119,00 €
	Ref: 387180800	
	2A fuse with cable and connector	10,00 €
	Ref: 387185100	
	LED display panel PANASONIC 26V	69,00 €
	Ref: 387190200	
	LED display panel PANASONIC 36V	69,00 €
	Ref: 387184900	
	Battery 26V/8AH PANASONIC	349,00 €
	Ref: 387189800	
	Battery 36V/8AH PANASONIC	419,00 €
	Ref: 387189700	
	Battery 36V/12AH PANASONIC	569,00 €
	Ref: 387193900	
	Battery 36V/13.2AH	579,00 €

		price
Ref: 387190300		
	LCD display panel PANASONIC 36V	169,00 €
Ref: 387184500		
	Chaincover	18,00 €
Ref: 387178800		
	Chaincover bracket	10,00 €
Ref: 387178100		
	Chaincover plate	10,00 €
Ref: 387184600		
	Battery lock and keys	15,00 €
Ref: 387178400		
	Battery holder 26V	10,00 €
Ref: 387190600		
	Battery holder 36V	10,00 €

		price
Ref: 387178200		
	Left plastic cover	10,00 €
Ref: 387184700		
	Battery lock cover	10,00 €
Ref: 387178600		
	Fuse case	10,00 €
Ref: 387177600		
	Screw set	10,00 €
Ref: 387177400		
	Tension pulley set	10,00 €
Ref: 387186300		
	Double tension pulley set (inner hub)	20,00 €
Ref: 387179100		
	Screw for PANASONIC crank	10,00 €

1. operation errors

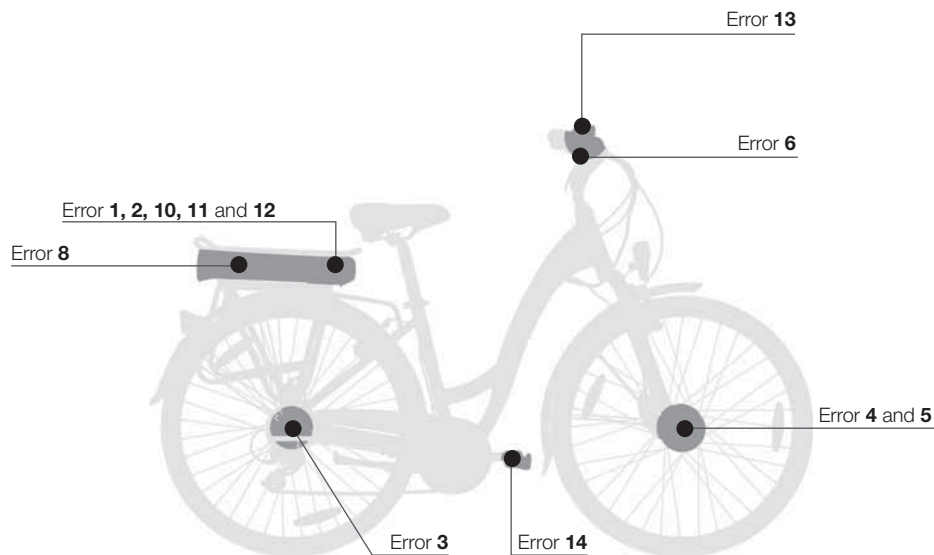
Models with non-removable display panel



160

Description	Error	Comments
Overcurrent	02	The system has detected an overcurrent in the system. If after rebooting the system, the problem does not disappear, it means that the controller is damaged. Please contact a BH dealer.
Error in the motor	03	The system has detected a possible error in the motor connection. If after rebooting the system, the problem does not disappear, it means that the motor is damaged. Please contact a BH dealer.
Battery discharged	04	The battery is discharged. Please charge the battery. In case the problem does not disappear, please contact a BH dealer.
Error in the brake signal	05	The system has detected a possible error in the brake signal. If after rebooting the system, the problem does not disappear, it means that the brake is damaged. Please contact a BH dealer.
Error in the torque sensor	06	The system has detected a possible error in the torque sensor. If after rebooting the system, the problem does not disappear, it means that the torque sensor is damaged. Please contact a BH dealer.
Error in throttle function	07	The system has detected a possible error in the throttle function. If after rebooting the system the problem does not disappear, it means that the throttle software is damaged. Please contact a BH dealer.
Error in the controller	08	The system has detected a possible error in controller. If after rebooting the system, the problem does not disappear, it means that the controller is damaged. Please contact a BH dealer.
Overvoltage	09	The system has detected an overvoltage in the system. If after rebooting the system, the problem does not disappear, it means that the battery is damaged. Please contact a BH dealer.
Error in display panel	10 - 15	The system has detected an overvoltage in the display panel. If after rebooting the system, the problem does not disappear, it means that the display cables are disconnected. Please contact a BH dealer.

Models with removable display panel



Description	Error	Comments
Overcurrent	1 - 2 - 10	The system has detected an overcurrent in the system. If after rebooting the system, the problem does not disappear, it means that the controller is damaged. Please contact a BH dealer.
Error in the motor	4 - 5	The system has detected a possible error in the motor connection. If after rebooting the system, the problem does not disappear, it means that the motor is damaged. Please contact a BH dealer.
Battery discharged	8	The battery is discharged. Please charge the battery. In case the problem does not disappear, please contact a BH dealer.
Error in the brake signal	6	The system has detected a possible error in the brake signal. If after rebooting the system, the problem does not disappear, it means that the brake is damaged. Please contact a BH dealer.
Error in the torque sensor	3	The system has detected a possible error in the torque sensor. If after rebooting the system, the problem does not disappear, it means that the torque sensor is damaged. Please contact a BH dealer.
Overheating	11 - 12	The temperature of the system is too high and the system is being protected. Wait until the system gets a normal temperature and if after it, the problem does not disappear, it means that the controller is damaged. Please contact a BH dealer.
Communication error	13	The system has detected a possible communication error with the display panel. Remove the display panel and insert it again in its location, making sure that it fits well. Restart it, and if after it, the problem does not disappear, please contact a BH dealer.
Error in the data of the torque sensor	14 “Foot”	The system detects that the user pushed the pedal during system starting process. Switch off the system and turn on but making sure that your feet are not pushing the pedal while system starting process.

2. assembly

Any manipulation must be done with the battery and system disconnected.

162

Move the battery out of the rear carrier.



1

Locate the 3 screws under the controller box, in the front side of the rear carrier.



2

Release the 3 screws that fix the controller box to the carrier.



3

The controller box will move slightly up and down.



4

Locate the 4 screws in the controller plate.



5

Release the 4 screws in the controller plate.



6

Move the controller plate out and separate it from the system.



7



Keep the controller box for future assembly.



8

Locate the 2 screws that fix the controller to the controller plate.



9

Release the 2 screws.



10





Locate the connection cables of the controller with the BATTERY (RED and BLACK CABLES).



11

Disconnect the cables of the controller with the BATTERY (RED and BLACK CABLES).



12

Locate the connection cables of the controller with the MOTOR (BLUE, GREEN and YELLOW CABLES).



13

Disconnect the cables of the controller with the MOTOR (BLUE, GREEN and YELLOW CABLES).



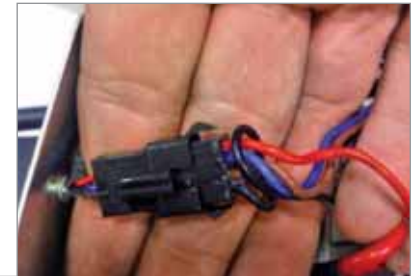
14

Rest of the connections have a different plug type (with 2, 4 and 5 pins for the brake, torque sensor and display panel respectively). The pin plugs are easily disconnected by pushing the flap.



15

Locate the connection cables of the controller with the TORQUE SENSOR (4 pin plug).



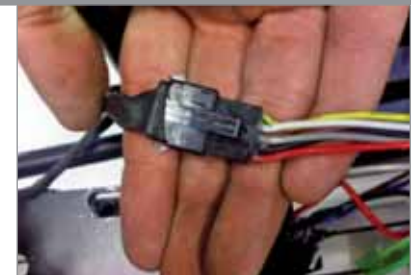
16

Disconnect the torque sensor plug.



17

Locate the connection cables of the controller with the DISPLAY PANEL (5 pin plug).



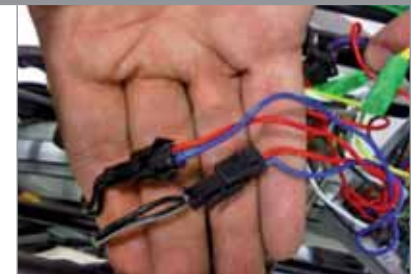
18

Disconnect the display panel plug.



19

Locate the connection cables of the controller with the BRAKES (2 pin plug). The front and rear brakes have the same plug and they can be connected to any of the plugs.



20

Disconnect the brake plug.



21



**Make sure that all the plugs are correctly connected.
Any bad or incorrect connection may damage the system.**



Now the controller and the controller plate can be completely separated from the system.

22



In order to start the assembly of the system, pass the cables from the fender through the holes in the controller plate.

23



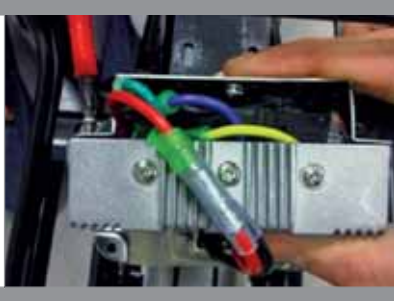
Then all the plugs should be connected to the controller (battery, motor, sensor, display panel and brakes), making sure they are correct. Due to the reduced space, it is necessary that all the plugs are placed between the controller plate and the controller.

24



Fix the 2 screws that connect the controller to the controller plate.

25



Fix the 4 screws that connect the controller plate to the controller box.

26



Place the controller box in the correct position.

27



Introduce slightly the 3 screws that link the controller box to the rear carrier. Do not tighten them yet.

28



Slide the battery inside the rear carrier and connect it to the controller box.

29



Block the battery by using the battery lock.

30



Push the controller box towards the battery, until the connection with the battery is perfectly in line.

31



Tighten the 3 screws that link the controller box to the rear carrier.

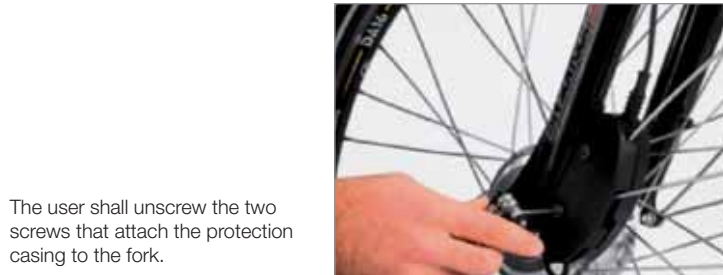
32

3.others

3.1 Replace the motorized wheel

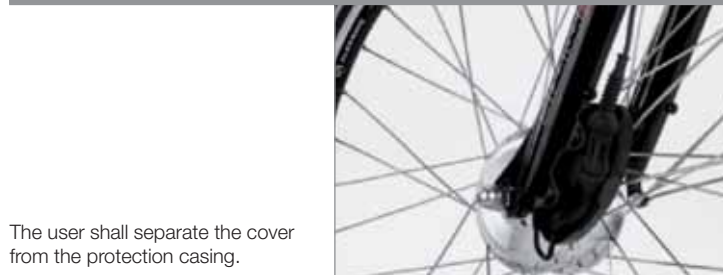
The motor is located at the front wheel's axis. When separating the front wheel, the user shall make sure to disconnect the motor's cable. For this purpose, the pedal assistance must be switched off.

Any manipulation must be done with the battery and system disconnected.



The user shall unscrew the two screws that attach the protection casing to the fork.

1



The user shall separate the cover from the protection casing.

2



Disconnect the motor's connection to the pedal assistance system.

3

3.2 Adjust the torque sensor

(models with removable display panel)

The inaccurate adjustment of the torque sensor may cause incorrect functions in the motor assistance. For these cases, the controller software includes some additional securities to avoid any related risk. It is necessary to know how the torque sensor works in order to adjust it if any malfunction appears.

The torque sensor reads the tension of the chain, which is proportional to the torque generated by the user on the pedal. It is mounted in the right-hand side rear drop out and it is joint to the frame by three M6 screws.

It is not necessary to remove the torque sensor to remove the rear wheel. The rear wheel can be easily removed, same as in a standard bicycle.

Besides, the torque sensor is totally sealed and can be cleaned with water for a correct performance.

3.3 Replace the battery key

In case the user loses the battery key, please provide next information to the After Sales Service Department of BH BIKES:

Ebike model (for example, "EMOTION XPRESS 650 LADY").



1

Serial number of the control panel (for example, "CD5BH11004256"), located in the down side.

2



Serial number of the motor (for example, "1004BH317"), located in the side.

3



Serial number of the charger (for example, "1010402"), located in the side.

4



Serial number of the battery (for example, "SDTDATA180497"), located in the down side.

5

With this information, BH BIKES EUROPE will trace the serial number of the battery lock and make a new copy of the key.

4. components




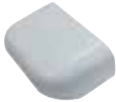

Models with non-removable display panel

		price
	Ref: 387181200 Non regen battery 36V/8AH for rear carrier	299,00 €
	Ref: 387181300 Regen battery 36V/8AH for rear carrier	319,00 €
	Ref: 387187800 White battery 36/6AH for rear carrier	279,00 €
	Ref: 387181400 Charger EMOTION	69,00 €
	Ref: 387181700 Front motor EMOTION	150,00 €
	Ref: 386106800 Bottom bracket cups	10,00 €
	Ref: 384246500 Bottom bracket for torque sensor	10,00 €
	Ref: 387181800 LCD display panel EMOTION	50,00 €
	Ref: 387181900 Controller	40,00 €

		price
	Ref: 387182000 Torque sensor + crankset	50,00 €
	Ref: 387182700 Motor cable box	10,00 €
	Ref: 387182100 Integrated backlight	15,00 €
	Ref: 387182800 Controller plate	10,00 €
	Ref: 384532600 Right brake lever V-BRAKE	10,00 €
	Ref: 384532700 Left brake lever V-BRAKE	10,00 €
	Ref: 384246600 Grey controller box	10,00 €
	Ref: 387187900 White controller box	10,00 €

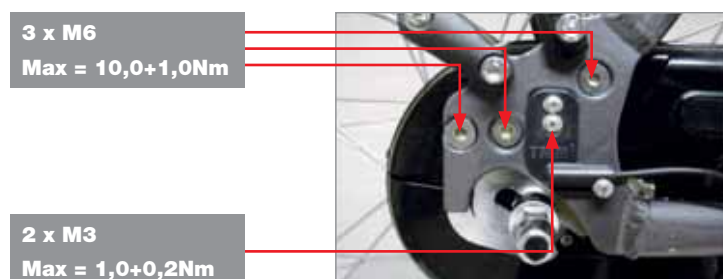
Models with removable display panel

	price
 <p>Ref: 387191300 Black battery 36V/9AH for rear carrier</p>	349,00 €
 <p>Ref: 387181400 Charger EMOTION</p>	69,00 €
 <p>Ref: 387191400 Front motor EMOTION</p>	150,00 €
 <p>Ref: 386107600 LCD display panel EMOTION</p>	50,00 €
 <p>Ref: 386107900 Controller</p>	40,00 €
<p>Ref: 384554400 Right brake lever V-BRAKE</p>	10,00 €

	price
 <p>Ref: EMOTION06 Torque sensor</p>	50,00 €
 <p>Ref: 387182700 Motor cable box</p>	10,00 €
 <p>Ref: 387182100 Integrated backlight</p>	15,00 €
 <p>Ref: 387194800 Black controller box</p>	10,00 €
 <p>Ref: 387182800 Controller plate</p>	10,00 €
<p>Ref: 384554500 Left brake lever V-BRAKE</p>	10,00 €

167

In case the torque sensor is removed, please apply the correct torque to the screws. An incorrect applied torque may generate a malfunction of the ebike.





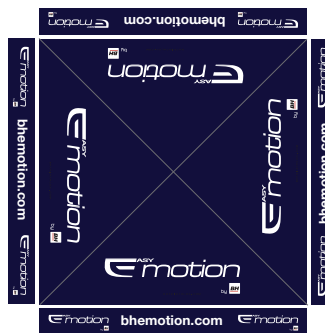
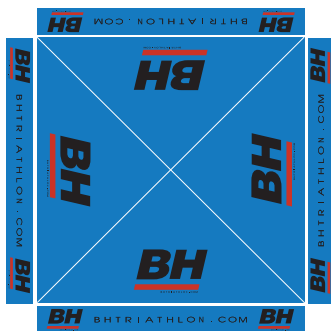
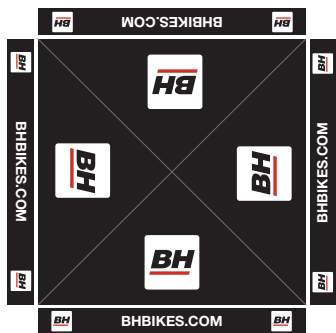
pop material

168

Ref

tents

393199800	BH (3 x 3 m).	400 €
393199800	Triathlon (3 x 3 m).	400 €
393199900	Easy Motion (3 x 3 m).	400 €



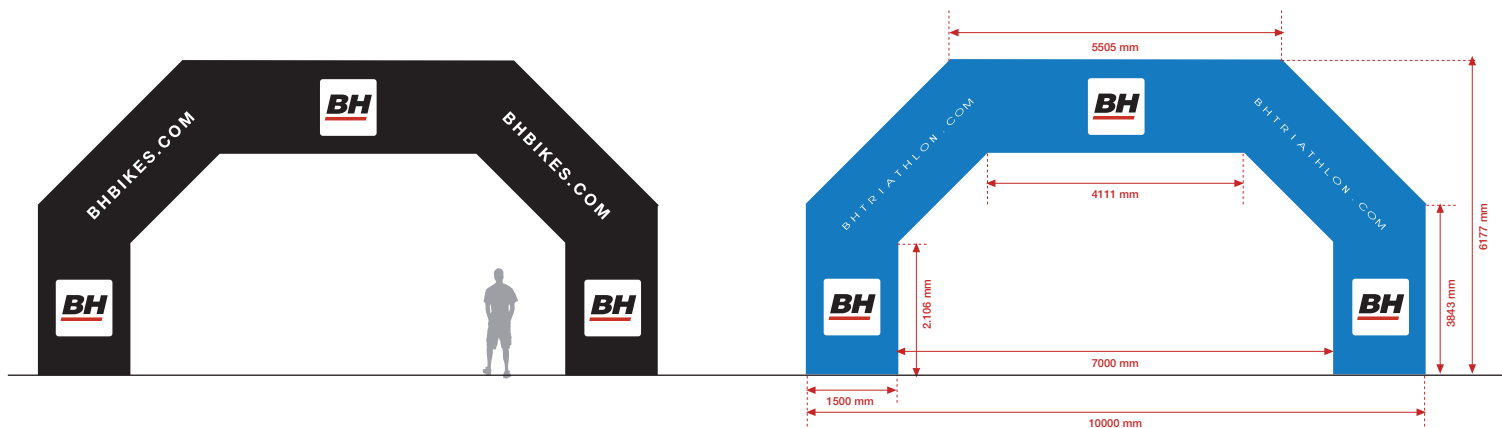


Ref fly-banners

393199600	BH (0,6 x 2 m).	40 €
393210200	BH (0,8 x 2,8 m).	60 €
393210200	Triathlon (0,8 x 2,8 m).	60 €
393199700	Emotion (0,6 x 2 m).	40 €
393220800	Emotion (0,8 x 2,8 m).	60 €

Ref inflatable arch

BH.....	consult
BH TRIATHLON.....	consult



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