



KYMCO

3180A-AGD7

Lithium ion battery charger
for electric scooter

Instruction manual

KWANG YANG MOTOR CO., LTD.

Headquarters : No.35, Wanxing St., Sanmin District,
Kaohsiung City 807, Taiwan (R.O.C.)

Special warnings and precautions for use :

- This charger is intended to use on the electric scooter and the KYMCO IONEX rechargeable battery only.

If the output cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

- For Europe only:

This appliance can be used by children aged from 14 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. (For Europe)

Children shall not play with the appliance. (For Europe)

Cleaning and user maintenance shall not be made by children without supervision. (For Europe)

- For outside Europe :

The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge , unless they have been given supervision or instruction.

Children being supervised not to play with the appliance.

Please operate the charger according to the instruction manual and follow all warnings in the manual.

- Charger should be placed in well-ventilated and dry situations and should not be exposed to the sun or rain.
- Be careful to use the charger and do not drop it to avoid abnormal damage to the charger.
- Charger should not be placed in a place with too much dust.
- Avoid dust or liquid entering the charger.
- This charger can only be connected to the battery type shown in the instruction manual.
- After confirming that the charger output connector is properly connected to the battery holder, the charger AC power cord can be plugged into the power outlet.
- Please pay attention to the high temperature during charging.



- If there is any abnormality in the battery or charger during charging, please stop charging immediately and contact the KYMCO repair station or Authorized Service Center.
- The charger must be used with the batteries specified by the 3180A-AGD7. It is strictly prohibited use of non-dedicated lithium battery and other brand batteries for charging.
- Do not disassemble the charger yourself. If you have any problems, please contact KYMCO repair station or Authorized Service Center.



Specification :

Input Voltage	100	240	Vac	
Output Voltage	57.4		Vdc	
Rated Current	3		A	
Frequency	50-60		Hz	
Output Power (Max.)	172.2		W	
Battery Capacity	13		Ah	
Ambient Temperature	-10	40	°C	100-240Vac
Storage Temperature	-20	60		
Altitude	2000		Meters	
Weight	0.6		Kg	
Color	White			
Dimension	196*86*35.2(L*W*H)		mm	
Content	1.Battery charger x1 2.AC Power cord x1			

FEATURES:

- Lithium ion battery charger
- Using microcomputer control:
When an abnormal state occurs, the charger will be disconnected from the battery to protect the battery.
- Applicable to universal input voltage
- Protective function :
 1. Output Short Circuit Protection
 2. Over Voltage Protection
 3. Under Voltage Protection
 4. Battery charging abnormal protection
 5. Over Temperature Protection
 6. Battery Reverse Polarity Protection
 7. Charging Timing Abnormal Protection

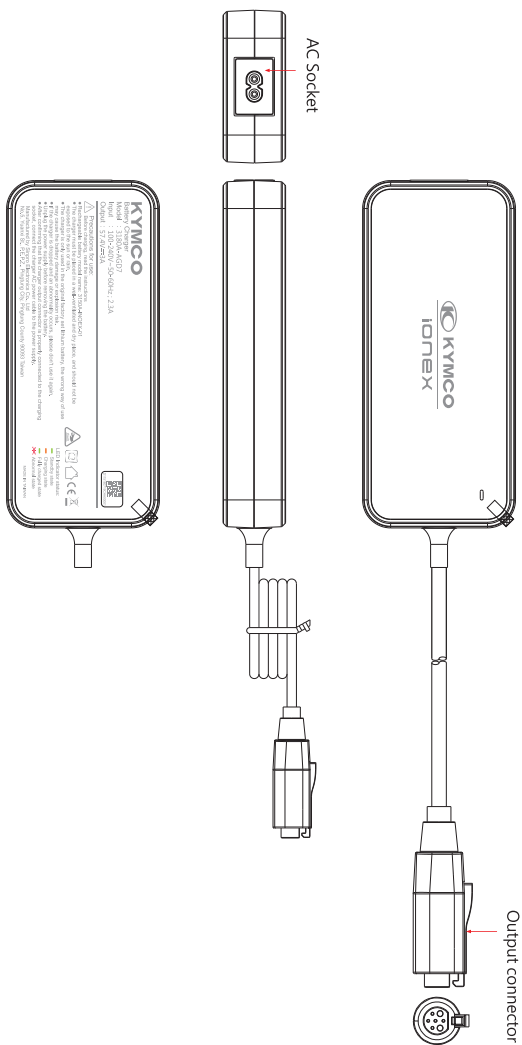
LED Indicator :

	Standby mode	The charger is not connected to the battery.
	Charging mode	Charger charging the battery.
	Fully charge	When the battery is fully charged, the internal switch of the charger will be disconnected and will not continue to charging the battery.
	Error mode: Battery over voltage protection	Red flash 1 times
	Error mode: Over timing protection	Red flash 2 times
	Error mode: Battery under voltage protection	Red flash 3 times
	Error mode: Battery charging abnormal protection	Red flash 4 times
	Error mode: Over temperature protection	Red flash 5 times
	Error mode: Battery +/- short circuit	The internal switch of the charger will be disconnected and will not continue to charging the battery
	Error mode: Charger over voltage	Charger stops charging and enter latch mode & LED off.

Note :

1. When the electric scooter is just used, the battery temperature may be slightly higher. If you plug in the charger for charging immediately, for safety, the charger will enter the standby mode first (green on). Wait for the battery to cool down before entering the charging mode.
2. When the indicator is abnormal, please unplug the AC power cord and wait until the LED indicator is off before plugging in the AC power. If the indicator still shows abnormality, please stop charging and contact KYMCO repair station or Authorized Service Center.

Structural Diagram :



Charger and Accessories :

Battery charger x1

AC Power cord x1



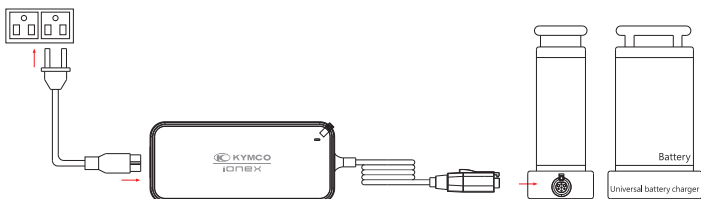
Universal battery charger(WiFi/non WiFi) X1



Trouble Shooting:

Status	Probable causes	Exclusion method
No indicator light	Used in outdoors and under sun exposure.	Unplug the power cord, and reconnect it. Also, use the battery charger in a cool and ventilated place.
No output voltage	Power cord end is not in real contact.	Confirm that there is contact complete.
Battery still cannot be fully charged after charging for a long time. (Red flash 2 times)	Battery is aging or damaged.	Replace the new battery.
Battery is in an over-discharge state. (Red flash 3 times)	The battery has not been used for a long time or the battery has deteriorated and damaged.	Replace the new battery.
If it is still not possible to troubleshoot the situation, please contact KYMCO repair station or Authorized Service Center.		

Installation steps (With universal battery charger(WiFi/non WiFi))



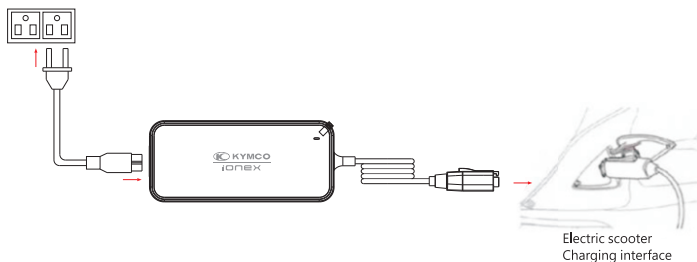
Installation steps :

- 1.Place the battery on the universal battery charger and confirm that the charger output connector is properly connected to the universal battery charger.
- 2.Connect the AC power cord to the AC socket of the charger.
- 3.Plug the AC power cord into the power outlet.

Remove steps:

1. Remove the AC power cord from the power outlet.
2. Remove the charger output connector from the universal battery charger.
3. Remove the battery from the universal battery charger and install it back to the electric scooter.

Installation steps (With electric scooter)



Installation steps :

1. Confirm that the charger output connector is properly connected to the electric scooter.
2. Connect the AC power cord to the AC socket of the charger.
3. Plug the AC power cord into the power outlet.

Remove steps:

1. Remove the AC power cord from the power outlet.
2. Remove the Charger output connector from the electric scooter.

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Industry Canada statement:

This device complies with ISED's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Radiation Exposure Statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20 cm entre le radiateur et votre corps.

Entrusted Supplier information

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