



LEVITON.

 • Power
 • Charging
 • Fault

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Electric Vehicle Supply Equipment

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evr-green® Networked Charging Stations for Public Applications

—chargepoint+ Network Services

The Best Way to Connect with EV Drivers

Features and Benefits

Leviton's Evr-Green® public use charging stations offer municipalities, corporations, fleets and utilities high-reliability, plug-in electric vehicle charging that drivers prefer. The easy-to-use stations provide multiple power options and integrate aesthetics and ergonomics with sturdy construction — making them ideal for commercial and outdoor public applications. Leviton ChargePoint® enabled electric vehicle charging stations include one year of ChargePoint® network services. ChargePoint® network services provide everything needed to manage your EV charging stations, including:

EV Driver Support, 24x7x365

Drivers call a toll-free phone number (1-888-758-4389) printed on each station so that without leaving the station or their vehicle, EV drivers receive assistance. ChargePoint® customer support can trouble-shoot the station, start and stop a charging session, and reboot the station remotely.

Remote Monitoring, Troubleshooting and Updating

Log-in to ChargePoint® Service Manager and see real-time operation status for every station. Service the charging stations remotely instead of traveling to each station. Charging sessions can be started or stopped and a station can be rebooted remotely. Need assistance? Call the ChargePoint® toll-free number where the ChargePoint® Network Operations Center is also watching to help maximize station up-time. As new features are added, ChargePoint® stations stay up-to-date with firmware updates delivered over the air.

Detailed Usage Reports

Station Manager includes a flexible, feature-rich reporting tool. Choose your report format: Charts, Tables, or Export to CSV comma delimited format.

Get detailed reports: Select the level of detail you need ranging from per session to across all stations.

See station usage by time of day including each charging session's duration, energy consumed, and payment collected. Measure trends such as average turnover and session duration. View energy usage and Greenhouse Gas (GhG) emissions prevented across a group of stations or all stations.

Track and report data for taxes and compliance: Track usage data for compliance with evolving policies that may tax electricity dispensed as fuel. If you are providing EV charging for employees, you'll have the data for benefit reporting required by tax codes.

View charging station audit reports: Collect information about session terminations, station reboots, cord removals, ground faults and station maintenance needs via timely alarms, and export it for further analysis.

RFID Card Readers

EV Drivers "authorize" themselves on the station using a ChargePoint® RFID card, contactless RFID credit card or by calling the toll-free number (1-888-758-4389). ChargePoint® stations include two RFID card readers: one for ChargePoint® RFID card and the other for contactless RFID credit card. RFID readers reduce station maintenance and increase station up-time as compared to magnetic swipe readers. When not in-use, ChargePoint® station charging connectors are locked in-place and no power is available. To release the charging connector, the EV driver must be authorized. The EV driver becomes authorized to use the station by:

- i. Tapping a valid ChargePoint® card on the screen
- ii. Tapping a valid contactless RFID credit card on the screen
- iii. Calling the toll-free number (1-888-758-4389)

The authorization process applies even if you are not collecting payment on the station. And provided there is no access restriction on the station, a contactless credit card can be used to release the charging station's connector.

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Features and Benefits

Rights Granting

ChargePoint® Network Services lets you grant rights to other individuals within your company or to personnel who work for an external service provider. Rights Granting makes it easy for station owners to delegate activities such as billing, usage monitoring, reporting and provisioning to multiple personnel.

Station Access Restriction using ChargePoint® Card

ChargePoint® Connections and the ChargePoint® card automate the process of giving drivers access to your stations. Businesses can encourage drivers to charge at their stations with incentives and promotions. Employers can simplify the process of providing and removing employee access to their charging stations.

Advertising Message Display

Use the station's display to communicate timely, targeted offers and other text-based messages to drivers. Station messages are managed through Station Manager. Place a different message on each station or the same message across groups of stations and change messages as frequently as you like.

Custom Station Groups and Driver Groups

Grouping can make charging stations and drivers easier to view and manage. Organize your charging stations and the drivers using them into any number of arbitrary groupings. Define a group of stations just for employees and another group for public use. Set one price for one group of stations and a different price for another group. For companies with multiple locations, organize charging stations by building, state, and region. The possibilities are virtually endless.

ChargePoint® App



Continued on next page

NETWORKED CHARGING STATIONS | Network Services

Continued from previous page

evr-green® Network Charging Stations for Public Applications

Features and Benefits

Payment Collection and Processing

Using the charging station, you can automate fee collection with the PCI-compliant ChargePoint® Network. ChargePoint® stations include two RFID readers, one for contactless RFID credit cards and the other for ChargePoint® RFID cards. Using Station Manager's Flex Billing application, station owners set pricing to suit their marketplace and goals for operating the station. A flexible system, station owners can set fees for different groups of drivers time of day, session duration, kWh, or any combination of those parameters. Before implementing kWh pricing, check with your local utility for any restrictions.

Online Reservation System

EV drivers with ChargePoint® cards can reserve charging time on a station. Using either the ChargePoint® website or ChargePoint® mobile apps, EV drivers can check a station's availability and make a reservation if the station accepts reservations. To accept reservations, Payment Collection must be enabled on the station. Stations with the reservation feature enabled can only authorize charging sessions resulting from a reservation.

Mobile Applications for iPhone, Blackberry and Android

These free mobile apps help EV drivers quickly locate a station, view available charging ports, map stations along their trip, receive turn-by-turn directions to a station, determine if payment is required, and make a reservation on a station.

Mobile Alert System

EV drivers using a ChargePoint® card receive texts or emails with alert messages regarding charging station status such as: Charging Successfully, Finished Charging, Plug-Out at the Station, and Ground Fault Interruption at Station. Alert messages include the ChargePoint® toll-free number in case assistance is needed.

Training

Video-based training is available to help station owners learn about ChargePoint® Network features and how to use them on their stations. Training videos are located within the question/help section of ChargePoint's Station Manager application.

RFID Cards



Level 2 Public Use Charging Stations

evr-green® 4000

Featuring ChargePoint® Network Services

Evr-Green® 4000 Level 2 Public Use Charging Stations provide corporations, municipalities and utilities industry leading EV charging solutions. Integrating design and functionality with superior reliability and durability, Evr-Green® charging stations are ideal for workplace, commercial and outdoor public charging. They are available in bollard and wall mount configurations for easy installation anywhere. For applications where available power may be limited, the innovative power sharing feature enables two charging ports to share a single circuit, allowing for sites with single-port EV stations to upgrade to dual-port stations without requiring additional electrical services. For new installations, these stations require half the electrical capacity and installation complexity of comparable dual-port stations. Models are available with two standard SAE J1772™ Level 2 charging ports, each supplying up to 7.2kW (208/240V AC @ 30A). The need for drivers to coil up the cord is eliminated with the self-retracting cord management system, ensuring that the cord is always off the ground when not in use.



Dual Port Bollard Mount



Dual Port Wall Mount

NETWORK CHARGING STATIONS | evr-green® Dual Port Level 2

evr-green® 4000 Level 2 Public Use Charging Stations

Evr-Green® Level 2 Public Use Charging Stations are comprised of four key components: *mounting mechanism, cable assembly, head unit and mounting cap*. To order a Level 2 Public Use Charging Station, select the appropriate mounting mechanism, cable management assembly, head unit and mounting cap. A complete system must contain all four components.

Specifications for Level 2

Category	Description
Electrical Input	
Input Power — Standard	208/240V AC 60Hz single phase @ 32A x 2
AC Power Input Rating — Power Sharing	208/240 V AC 60Hz single phase @ 32A
Input Power Connections — Standard	Two independent 40A branch circuits
Input Power Connections — Power Sharing	One 40A branch circuit
Required Service Panel Breaker — Standard	40A dual pole (non-GFCI type) x 2
Required Service Panel Breaker — Power Sharing	40A dual pole (non-GFCI type)
Service Panel GFCI	Do not provide external GFCI as it may conflict with internal GFCI (CCID)
Wiring — Standard	5-wire (L1, L1, L2, L2, Earth)
Wiring — Power Sharing	3-wire (L1, L2, Earth)
Standby Power	15W typical (standby), 20W maximum (operation)
Electrical Output	
AC — Standard	7.2kW (240V AC @ 30A) x 2
AC — Power Sharing	7.2kW (240V AC @ 30A) x 1 OR 3.8kW (240V AC @ 16A) x 2

Level 2 Charging Stations

	Description	Cat. No.
Mounting Mechanism	Bollard Mounting Body	CPMBX
	Wall Mounting Body	CPMEX
Cable Management Assembly	Retractable Cord Management Assembly	CPCBX
Head Unit	Each installation requires at least one gateway unit. The gateway head contains the cellular modem for communication with the ChargePoint® Network.	
	Gateway Head, Dual Port, US SIM, (2) 18ft charging cables, 1-Year Token for 2 Level 2 Ports. Activation requires submission of Master Service Agreement.	CPHG2
	Gateway Head, Dual Port, (2) 18ft charging cables, 1-Year Token for 2 Level 2 Ports. Activation requires submission of Master Service Agreement. CANADA only.	CPHG2-C
	LAN Head, Dual Port, US and Canada, (2) 18ft charging cables, 1-Year Token for 2 Level 2 Ports. Activation requires submission of Master Service Agreement. CANADA only.	CPHD2
Mounting Cap	Bollard Mount Cap	CPCAP-B
	Wall Mount Cap	CPCAP-W
Charging Station Software	The ChargePoint® Network Service includes online software that provides station owners with real-time station monitoring, station reporting, and billing software. To use ChargePoint® Network Services, station owners must complete ChargePoint's Master Service & Subscription Agreement.	



Non-Network Electric Vehicle Charging Station

evr-green® 160

Electric Vehicle Charging Station for Level 2 EV Charging: 16A, 3.8kW Output

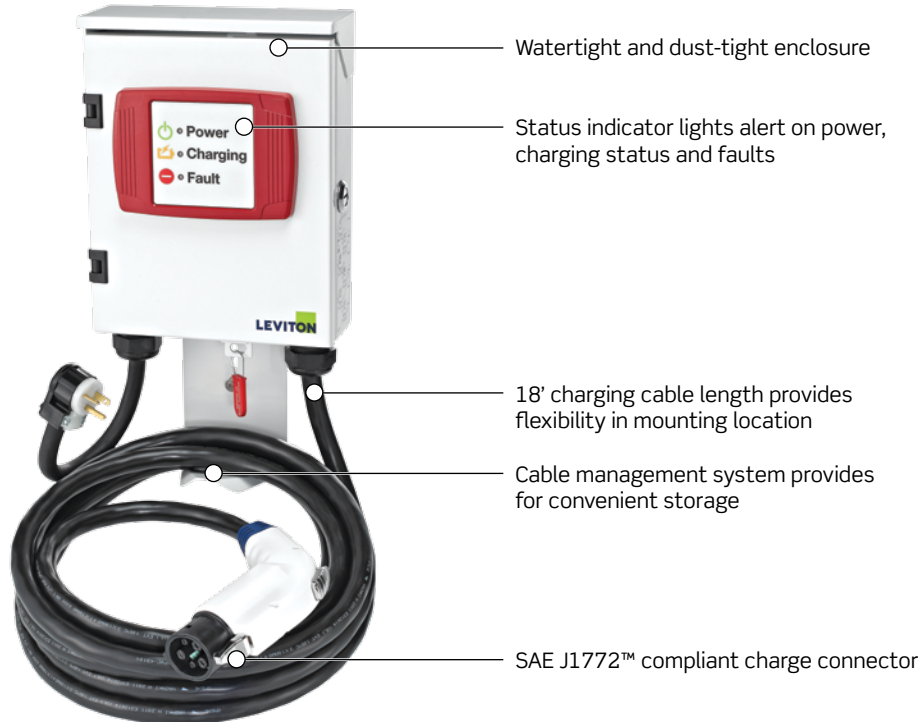
Leviton's Evr-Green® 160 Electric Vehicle Charging Station enables fast-charging of any SAE J1772™ compatible electric vehicle. Our patent pending mounting system allows for a do-it-yourself “plug-in” installation.*

Features and Benefits

- Compatible with all Electric Vehicle Supply Equipment (EVSE) standards and recommended practices including SAE J1772™, NEC 625, UL 2231 and UL 2594
- Tool-less, “non-permanent” installation also makes it easier to remove and replace — or take with you in the event you move*
- Built-in communication verifies proper connection before charging can commence
- “Auto-Reclosure” feature enables charging to restart following a minor fault, thereby reducing the chance of being stranded with an undercharged battery
- Cord connected installation is ideal for indoor applications and capable of being converted to a “hard-wired” installation if required
- Enclosure is rated NEMA Type 4 (hard-wired applications only)
- Cord management bracket provides easy stowage of the charge connector when not in use
- Ground monitor circuit for safety
- Backed by an industry leading limited 3-year warranty

*When used in conjunction with Leviton's EVK02 Installation Kit

EVB22-3PT



Evr-Green® 160 EV Level 2 Charging Station

Description	Cat. No.
Evr-Green® 160 Charging Station, 3.8kW output, 18' charging cable, cord-connected (plug-in)	EVB22-3PT
Pre-Wire Installation Kit for EVB22-3PT	EVK02-M

NON-NETWORK CHARGING STATIONS | evr-green® 300

evr-green® 300

Electric Vehicle Charging Station for Level 2 EV Charging: 30A, 240V, 7.2kW Output

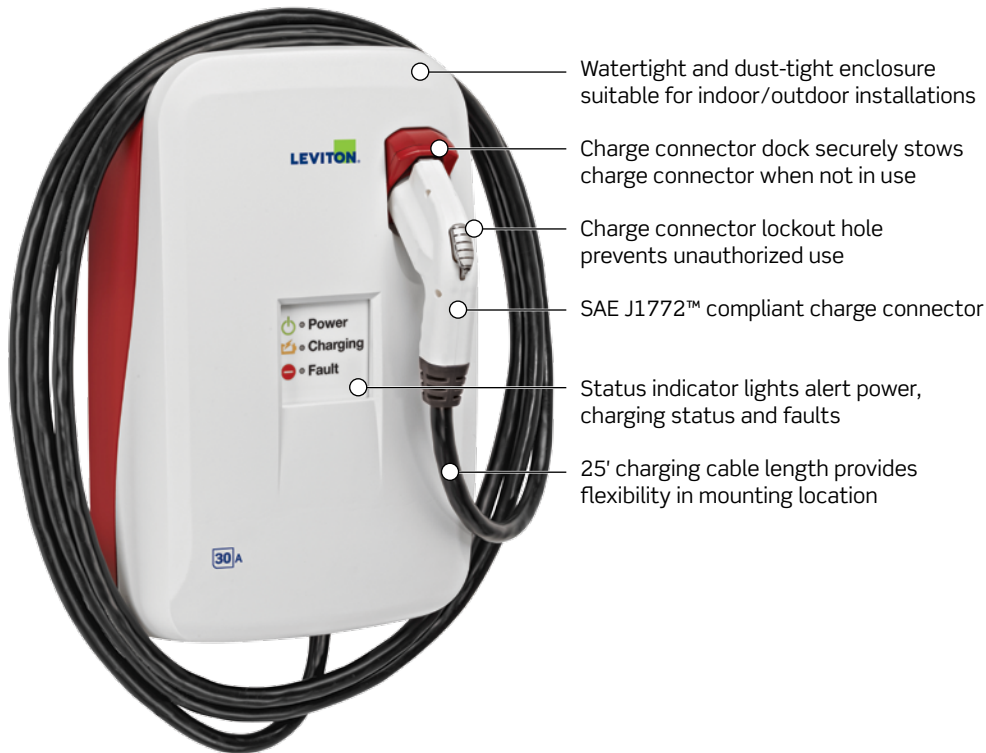
Leviton's Evr-Green® 300 Electric Vehicle Charging Station enables fast-charging of any SAE J1772™ compatible electric vehicle. Our patent pending mounting system allows for a do-it-yourself "plug-in" installation.*

Features and Benefits

- Compatible with all Electric Vehicle Supply Equipment (EVSE) standards and recommended practices including SAE J1772™, NEC 625, UL 2231 and UL 2594
- Tool-less, "non-permanent" installation also makes it easier to remove and replace or take with you in the event you move*
- Built-in communication verifies proper connection before charging can commence
- "Auto-Reclosure" feature enables charging to restart following a minor fault, thereby reducing the chance of having an undercharged battery
- Cord connected installation is ideal for indoor applications and capable of being converted to a "hard-wired" installation if required
- Enclosure is rated NEMA Type 4 (hard-wired applications only)
- Wrap-around cord management for easy storage between uses
- Ground monitor interrupter circuit for safety
- Industry leading 3-year limited warranty

*When used in conjunction with Leviton's EVK05 Installation Kit

EVB30-P5T



- Watertight and dust-tight enclosure suitable for indoor/outdoor installations
- Charge connector dock securely stows charge connector when not in use
- Charge connector lockout hole prevents unauthorized use
- SAE J1772™ compliant charge connector
- Status indicator lights alert power, charging status and faults
- 25' charging cable length provides flexibility in mounting location

Evr-Green® 300 EV Level 2 Charging Station

Description	Cat. No.
Evr-Green® 300 Electric Vehicle Charging Station, 30 Amp, 7.2kW output, cord-connected (plug-in)	EVB30-P5T
Installation kit for plug-in applications of EVB30-P5T	EVK05-M

evr-green® 320

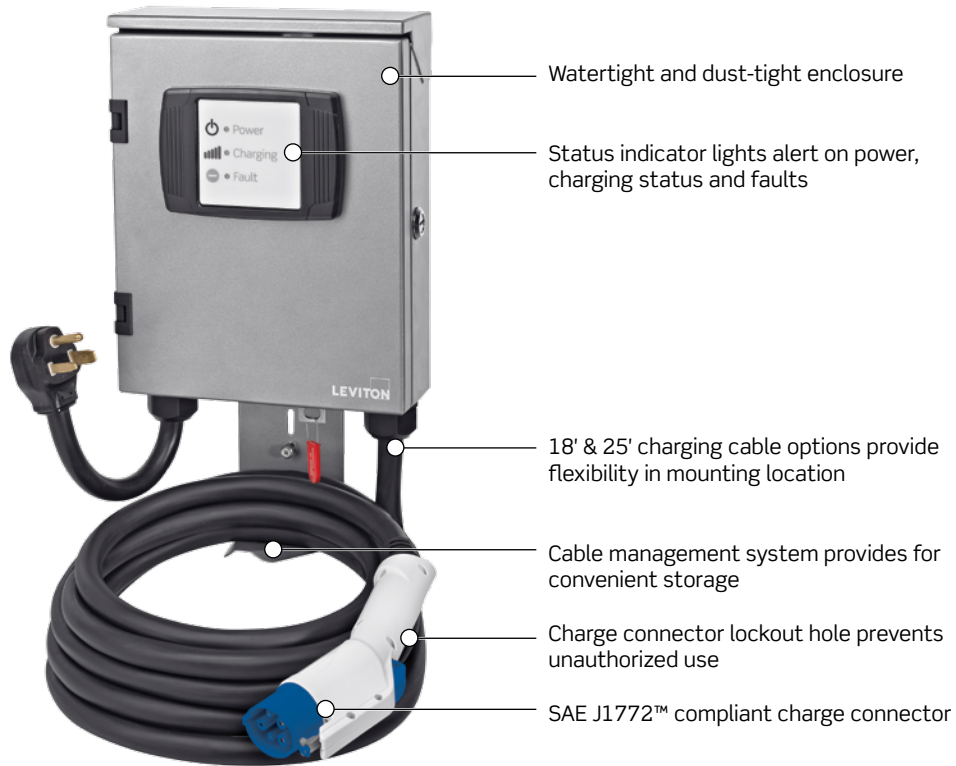
Electric Vehicle Charging Station for Level 2 EV Charging: 32A, 7.7kW Output

Leviton's Evr-Green® 320 Charging Station enables fast-charging of any SAE J1772™ compatible electric vehicle.

Features and Benefits

- Compatible with all charging station standards and recommended practices, including SAE J1772™, NEC 625, UL 2231 and UL 2594
- Built-in communication verifies proper connection before charging can commence
- “Auto-Reclosure” feature enables charging to restart following a minor fault, thereby reducing the chance of having an undercharged battery
- Cord connected installation is ideal for indoor applications and capable of being converted to a “hard-wired” installation if required
- Enclosure is rated NEMA Type 4 (hard-wired applications only)
- 18' and 25' charging cable options available
- Ground monitor interrupter circuit for safety
- Backed by an industry leading limited 3-year warranty

EVB32-M8L



Evr-Green® 320 EV Level 2 Charging Station

Description	Cat. No.
Evr-Green® 320 Charging Station, 7.7kW output, 18' charging cable, cord-connected (plug-in)	EVB32-M8L
Evr-Green® 320 Charging Station, 7.7kW output, 25' charging cable, cord-connected (plug-in)	EVB32-M5L
Pre-Wire Installation Kit for EVB32	EVK05-M

NON-NETWORK CHARGING STATIONS | evr-green® 400

evr-green® 400

Electric Vehicle Charging Station for Level 2 EV Charging: 40A, 9.6kW Output

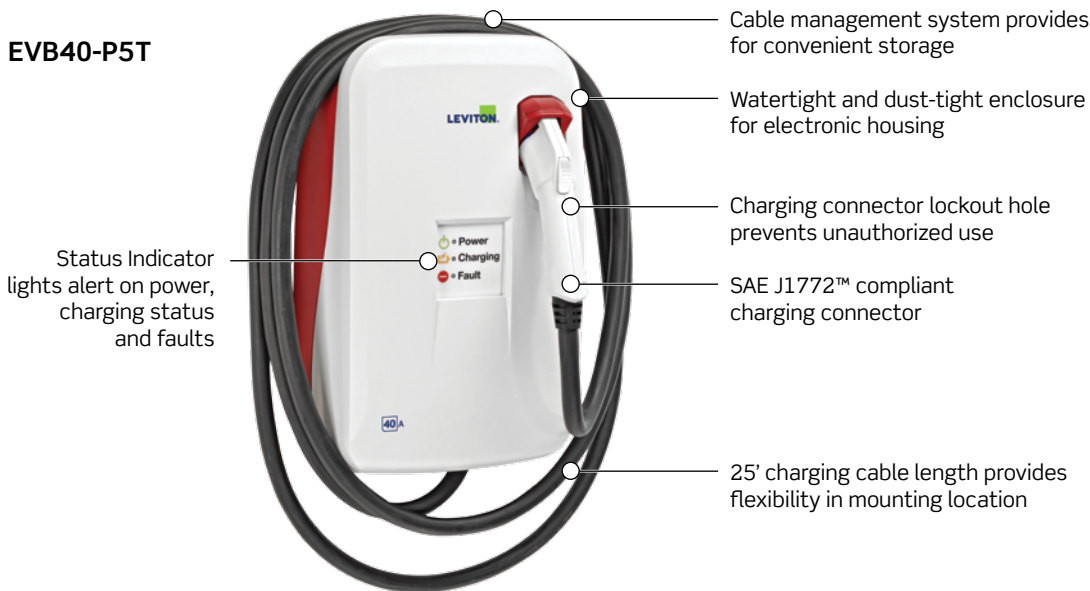
Leviton introduces its next generation electric vehicle charging station — designed with a durable thermoplastic cover. Leviton's Evr-Green® 400 Home Charging Station enables fast-charging of any SAE J1772™ compatible electric vehicle. The 40A charging station optimizes the charge time for vehicles with onboard chargers larger than 6.6kW. The 40A charging station includes a 25-foot charging cable, which offers flexibility in the mounting location.

Features and Benefits

- Compatible with all Electric Vehicle Supply Equipment (EVSE) standards and recommended practices including SAE J1772™, NEC 625, UL 2231, and UL 2594
- Tool-less, “non-permanent” installation also makes it easier to remove and replace — or take with you in the event you move*
- Built-in communication verifies proper connection with the vehicle before charging can commence
- Auto reclosure feature enables charging to restart following a minor power interruption, thereby reducing the chance of being stranded with an uncharged battery
- Ideal for home charging or light commercial applications
- Cord connected installation is ideal for indoor applications and capable of being converted to a “hard-wired” installation if required
- Enclosure is rated NEMA Type 4 Watertight (hard-wired applications only)
- Wrap around cord management for easy storage between uses
- Ground monitor interrupter circuit for additional safety
- Charge connector lockout hole prevents unauthorized use
- Backed by an industry leading limited 3-year warranty

*When used in conjunction with Leviton's EVK05 Installation Kit

EVB40-P5T



Status Indicator lights alert on power, charging status and faults

Cable management system provides for convenient storage

Watertight and dust-tight enclosure for electronic housing

Charging connector lockout hole prevents unauthorized use

SAE J1772™ compliant charging connector

25' charging cable length provides flexibility in mounting location

Evr-Green® 400 EV Level 2 Charging Station

Description	Cat. No.
Evr-Green® 400 Charging Station, 9.6kW output, flush mount, cord-connected (plug-in)	EVB40-P5T
Evr-Green® 400 Charging Station, 9.6kW output, surface mount, cord-connected (plug-in)	EVB40-PST
Pre-Wire Installation Kit for EVB40	EVK05-M

evr-green® Home Charging Station Pre-Wire System

Prepares Your Home for Easy, Do-It-Yourself Installation of Leviton's Evr-Green® Home Charging Stations

Leviton introduces our ground-breaking Evr-Green® home charging station pre-wire system. An industry first, this revolutionary concept enables the home to be prepared before the new electric vehicle and home charging station is purchased, ensuring fast charging from the moment the new car is home. Once the appropriate pre-wire Kit is installed, all that is needed to begin charging is to hang the home charging station on the installed mounting bracket, plug it in, and you're ready to charge.

Pre-Wire System Includes:

- | | |
|----------------------|---------------------------------|
| 1. Bracket | 5. Mounting Template |
| 2. Mounting Hardware | 6. Installation Instructions |
| 3. Safety Cover | 7. Quick Install Guide |
| 4. Receptacle | 8. Thermoplastic Electrical Box |

Features and Benefits

- Powder-coated steel mounting bracket provides for simple, do-it-yourself installation
- Patent-pending system enables you to upgrade your charging station without the need to rewire
- Reduces the need for special electrical permits
- Can be used in new construction or retrofit applications
- UL Listed components ensure safety



Home Charging Station Pre-Wire System for 16A



Home Charging Station Pre-Wire System for 30A, 32A and 40A

Home Charging Station Pre-Wire System

Description	For Use With	Cat. No.
Leviton Installation Kit for Evr-Green® 160	16A Chargers	EVK02-M
Leviton Installation Kit for Evr-Green® 300, Evr-Green® 320 and Evr-Green® 400	30A, 32A, 40A Chargers	EVK05-M

EVSE ACCESSORIES

Electric Vehicle Supply Equipment Accessories

Evr-Green® GFCI Receptacle with Sensor Controlled Guide Light

Description

Evr-Green® GFCI Receptacle with Sensor Controlled Guide Light

The Leviton T7591 Tamper-Resistant GFCI Receptacle features a single receptacle with guide light that is photo-sensor controlled, making it easier to locate the receptacle when it is dark. It is built on Leviton's patented SmartlockPro® GFCI Receptacle platform, and can accommodate the repetitive insertions experienced with plug-in vehicle charging. Meets NEC Code Requirements for use with electric vehicle charging systems.

Reference

See section D, GFCIs and AFCIs, for details



Powerswitch® Safety Disconnect Switches

Description

Powerswitch® Safety Disconnect Switches

Watertight and dust-tight Powerswitch® safety disconnect switches are the ideal choice for secure protection while used in conjunction with our Evr-Green® line of electric vehicle supply equipment. Heavy duty enclosed safety disconnect switches cut power to the circuit for equipment servicing.

Reference

See page A-30 in the Switches & Motor Controls section for details



Submetering

Description

Submetering

Leviton provides an integrated approach for tracking, monitoring, and verifying electrical consumption and implementing cost and carbon footprint reduction. With the addition of precise energy measurement and verification systems, Leviton customers have an integrated solution for achieving their sustainability goals.

Reference

See page N-60 in the Energy Management section for details



Surge Protection

Description

Surge Panels for non-Networked Electric Vehicle Charging Stations

Leviton's 51120 Series panel mount surge protective devices are ideal for use with non-networked Electric Vehicle Charging Stations. Designed for use in homes and apartment buildings at the service entrance, electrical utility meter, or other branch panel locations these panel mount surge protective devices come with a standard J-Box enclosure with pre-punched standard knock-outs so they can be easily surface mounted in typical frame construction.

Reference

See page F-17 in the Surge Protective Devices section for more details



Description

Surge Panels for Networked Public Use Charging Stations

Leviton's 52120-7M3 panel mounted surge protective devices are ideal for use with Networked Public Use Charging Stations. Designed for use in industrial, commercial and residential environments, the 7-mode parallel-operated design ensures continuous power even if surge protection is disabled.

Reference

See page F-10 in the Surge Protective Devices section for more details

