

evr-green® 320 Electric Vehicle Charging Station

Level 2 EV Charging: 32 Amp, 7.7kW output

Designed for next
generation electric
vehicles with larger
on-board chargers



Leviton's Evr-Green® 320 Electric Vehicle Charging Station enables fast-charging of any SAE J1772™ Compatible Electric Vehicle.

Features and Benefits

- Compatible with all Electric Vehicle Supply Equipment (EVSE) Codes, Standards and Recommended Practices, including SAE J1772™, NEC 625, UL 2231 and UL 2594
- Power output level is 5 times higher than Level 1 cord sets and nearly 10% higher than Level 2, 30A EVSE's**
- "Non-permanent" installation also makes it easier to remove and replace or take with you in the event you move*
- "Auto-Reclosure" feature enables charging to restart following a minor fault, thereby reducing the chance of having an undercharged battery
- Enclosure is rated NEMA Type 4 for indoor and outdoor use
- Durable powder coated steel enclosure to withstand the harshest of environments
- Charge Connector rated to 40A and utilizes low carbon foot print materials in construction
- Ground monitor interrupter circuit for safety
- Industry leading 3-year limited warranty
- Tested in the USA, Japan & Korea by several major automakers
- Compatible with Evr-Green EVSE Pedestal System

* When used in conjunction with Leviton's EVK05 Installation Kit and NEMA 6-50P input plug

** For battery electric vehicles with larger onboard chargers



EVB32-H18



Features

Powder coated steel enclosure design hardened for everyday use

Watertight and Dust tight enclosure

Status Indicator lights alert power, charging status and faults

18' & 25' Charging Cable options provide flexibility in mounting locations

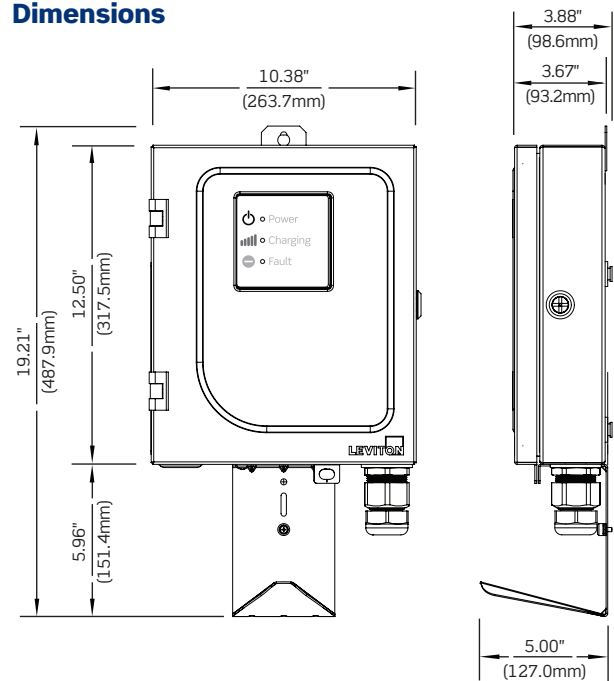
Cable Management System provides for convenient storage

SAE J1772™ Compliant Charging Connector that offers low cost locking feature

EVB32-H25



Dimensions



Specifications

Electrical Input	EVB32-H18 & EVB32-H25
Amperage	32A
Voltage	208VAC - 240VAC
Breaker	40A 2-Pole
Circuit	50A dedicated circuit
Electrical Output	
Output Power	7.7kW (32A @ 240V)
Charging Connector	SAE J1772™ Charge Connector on 18' (5.48 m) or 25' (7.62 m) long cable
Material Specifications	
Enclosure	Powder Coated Galvanized Steel
Charging Cable	UL Type EV
Environmental Specifications	
Operating Temperature	-35°C to 50°C
Storage Temperature	-50°C to 80°C
Operating Humidity	95% non-condensing
Enclosure	NEMA Type 4*

*Rating applies to hard-wired application only

List of parts needed for plug-in installation:

- Plug in installation kit; i.e. Leviton catalog Number EVK05-M
- NEMA 6-50 plug; i.e. Leviton Catalog Number 9650-P
- 18.5" of type SOOW or better with 2/8AWG + G, 133/29 stranding, nominal O.D. 0.845
- Strain relief suitable for above cord; i.e. Heyco Part number M4348
- Plug/cord assembly can be purchased separately through online retailers or electrical distributors that provide value added services.

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Standards, Code & Recommended Practice	
UL 2251	Standard for Plugs, Receptacles and Couplers for Electric Vehicles
UL 991	Standard for Tests for Safety-Related Controls Employing Solid-State Devices
UL 2231	Standard for Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits
UL 1998	Standard for Software in Programmable Components
UL 2594	Standard for Electric Vehicle Supply Equipment
UL 62	Standard for EV Flexible Cables
SAE J1772™	Surface Vehicle Recommended Practice
NEC Article 625	Electric Vehicle Charging System Equipment
FCC Part 15	Federal Communications Commission Part 15 Radio Frequency Devices Class B Residential Use
EMI	Per UL 2231 Radiated Immunity Risk

Ordering Information

Cat. No	Description
EVB32-H18	Evr-Green® 320 Charging Station: 32 Amp, 7.7kW output, 18' charging cable, hard-wired.
EVB32-H25	Evr-Green® 320 Charging Station: 32 Amp, 7.7kW output, 25' charging cable, hard-wired.
EVJ46-PEV	Replacement Level 2 Charge Connector Assembly, 40A Max, 208-240V AC, 25ft Cord Length.
EVK05-M	Pre-Wire Installation Kit for EVB32. Required for installation of plug-in stations.

