

LEDVANCE EV CHARGERS

48 AMP LEVEL 2 RESIDENTIAL CHARGING STATION



LEDVANCE EV CHARGER SPECIFICATION DATA

Catalog #	Comments
Project	
Type	
Prepared by	



APPLICATION

The smart residential PHASE EV™ electric vehicle charging station is perfect for use in single family and multi-family homes. It is also ideal for use in dealerships and small service stations. The residential PHASE EV station can be used as a Plug & Play charger or can be controlled and monitored using the free SYLVANIA WiFi App.

BENEFITS & FEATURES

- Level 2 fast charging with 11.5kW maximum power output
- Up to 42 miles of range per hour of charge
- SAE J1772 charging connector
- 25-foot charging cable
- The SYLVANIA Smart WiFi App gives users ultimate flexibility over their use and monitoring of the PHASE EV charger, including setting various charge modes, scheduling the charging sessions to take advantage of off-peak utility rates, and tracking their energy usage
- Built-in WiFi (802.11 b/g/n/2.4GHz)/Bluetooth® Connectivity
- Rugged NEMA 4X Enclosure
- IK10 impact protection
- IP65
- Dynamic LED light shows the status of the charger: standby mode, vehicle connected, charging in progress, charge complete, and fault indicator
- Charging handle cradle with integrated cable management included



ELECTRICAL

- SAE J1772™ connector
- 25ft charging cable
- Hardwired (unit comes wired with a 28" input cable)
- 208-240 VAC
- 60 Hz
- 11.5 kW max. output power @240 VAC
- 48A max. output current
- Output current can be adjusted between 1 and 48 amps using the SYLVANIA Smart WiFi App

OPERATING TEMPERATURE

- -22°F to 122°F (-30°C to 50°C)

CERTIFICATIONS & LISTINGS

- cETLus
- FCC
- ENERGY STAR®
- RoHS
- UL2594 compliant
- NEC625 compliant

COMMUNICATION

- WiFi (802.11 b/g/n/2.4GHz)
- Bluetooth®
- Controlled via the SYLVANIA Smart WiFi App
- Plug & Play operation is possible

INSTALLATION

- Must be hardwired to a local Junction Box with a 2-pole 60A breaker at the electrical panel
- Charger has a 28" 6AWG input cable
- Charger mounts to a wall with included mounted bracket
- Charging handle holster with integrated cable wrap is included for neat storage

WARRANTY

- 3-year
- NLB Trusted Warranty Program

ORDERING INFORMATION

ITEM #	ORDERING ABBREVIATION	DESCRIPTION
78146	EVC48ALVL2R	EV Charger, 48A, Level 2, Residential



ACCESSORIES (INCLUDED)



Charger Mounting Plate



Charging handle holster with integrated cable wrap



Mounting Screws

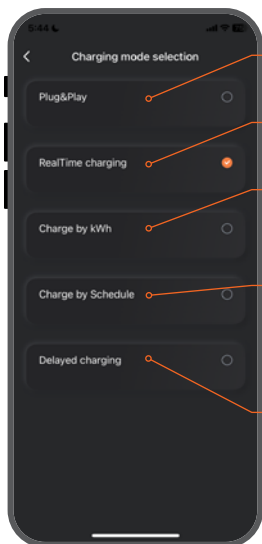
SYLVANIA WIFI APP



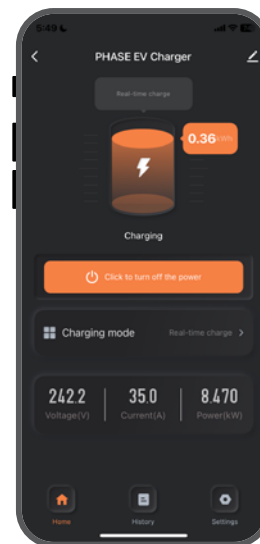
The free SYLVANIA WiFi App enables a choice of charge modes along with real-time control and monitoring of each charging session. There is also a convenient history tab that tracks the past charging sessions.



SCAN TO DOWNLOAD & INSTALL THE FREE SYLVANIA SMART WIFI APP

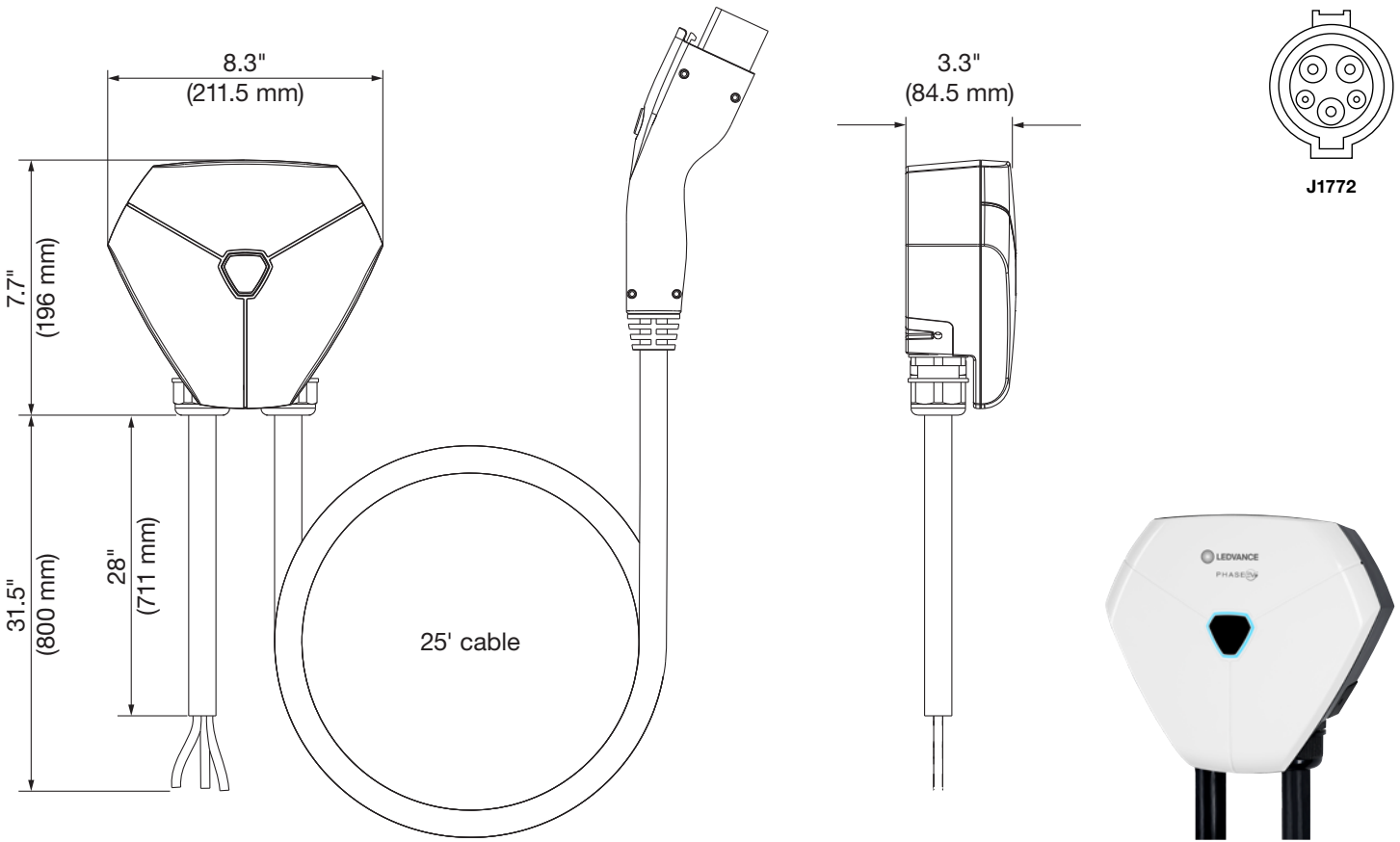


- Plug & Play Mode enables the vehicle to charge without the use of the App
- Real Time Charging Mode enables the user to initiate the charging session with the App
- Charge by kWh enables the user to set the total amount of energy that is delivered to the vehicle in the charging session
- Charge by Schedule enables the user to program the start and stop times for the charge sessions. This will allow charging during off-peak rates
- Delayed charging enables the user to enter the number of hours to delay the start of the charging session



- While the charger is in use, the App will display the accumulated energy used thus far in the session and shows the real time voltage and current being supplied to the vehicle

PHYSICAL INFORMATION



FRONT LED INDICATOR LIGHT

LED COLOR	DESCRIPTION
Stand-By Mode – No Vehicle is connected	
Solid Blue	Charger is in Stand-By mode and ready to charge
Off	Charger does not have power
Connected Mode	
Solid Green	Charger is connected to vehicle and ready to charge
Flashing Green	Vehicle is charging
Off	Idle Mode – Charging is complete
Fault Mode	
Flashing Red	Fault – Refer to installation instructions for detailed information



SCAN TO DOWNLOAD THE RESIDENTIAL
PHASE EV INSTALLATION MANUAL

SPECIFICATIONS

FEATURES AND FUNCTIONS

Charging mode	Level 2
Vehicle connection	SAE J1772 (Type 1 connector)
Charging Cable length	25ft

COMMUNICATION

Wireless Connectivity	Built-in WIFI (802.11 b/g/n/2.4GHz) / Bluetooth Connectivity
Firmware	Over-the-air (OTA) upgradeable firmware
Center LED Indicator	Dynamic LED lights show charging status: standby, Device connectivity, charging in progress, fault indicator

ELECTRICAL DESIGN

Power supply voltage	AC level 2, 208/240V
Rated frequency	60Hz
Rated input current	48A Max
Power output	Max 11.5kW at 240 VAC
Input connection	Hardwired — by licensed electrician
Primary wire gauge	6AWG
Power requirements	208V (single phase), 240V (single phase), 60 Amp Double Pole Breaker
Over current protection	Standard
Ground fault protection	Standard
Over voltage protection	Standard

GENERAL DESIGN

Environmental rating	NEMA 4 enclosure, IK10 impact protection
Ingress protection	IP65
Dimensions Main Enclosure (W x H x D)	8.3in x 7.7in x 3.3in (211mm x 196mm x 84.5mm)
Storage temp	-22°F to 122°F (-30°C to 50°C)
Operating temp	-22°F to 122°F (-30°C to 50°C)

CERTIFICATIONS AND STANDARDS

Standards	ETL, UL2594 compliant, NEC625 compliant
EMC	FCC Part 15 Class B, ICES-003
ENERGY STAR (EVSE v1.1)	Yes
Warranty	3 Year Limited Product Warranty



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