

Level 2 EV Charger



PROJECT: _____

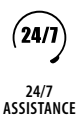
DATE: _____

TYPE: _____

PREPARED BY: _____



Level 2 EV Charger



KEY FEATURES

- Residential and Commercial EV Charging
- 48A-11.5kW Single Phase
- IP56 / NEMA Type4 / IK08 Protection
- Support for RFID Card and QR Code for User Authentication and Management
- OCPP or Local Load Management

PERFORMANCE

Catalog Number	Protocol	Output Power	Power Configurable	Input Current	Output Current	Rating of Branch Circuit Breaker	Input wire size	Charging Cable
EVC48	OCPP 1.6 JSON (Upgradeable to 2.0)	11.5kW	6A, 8A, 10A, 13A, 16A, 20A, 25A, 30A, 32A, 40A, 48A. Default setting: 48A	48A	48A (max) (with AC breaker capacity selection)	60A	6 AWG	16.4 ft.
EVC48/U	OCPP Ready							

PERFORMANCE

Product Type

EVC Level 2, 48A Series

Network Connectivity

Ethernet + Wi-Fi (IEEE 802.11 b/g/n) + 4G

RFID + QR Code Capability

Included

Load Management

Online or Local

OTA Capability

Included

Cable Management

Optional with accessories sold separately

Authentication Method*

Smart Phone App, ISO 15118, RFID (ISO/IEC 14443A/B, ISO/IEC 15693, FeliCa™, MIFARE)

* Not applicable for the uncommissioned EVC48/U model.

TECHNICAL SPECIFICATIONS (CONT.)

CONSTRUCTION

Product Type

EVC Level 2, 48A Series

Display Screen

5-inch LCD display, LED Indicator

Number of Ports

Single

Charging Cable

16.4 ft

Finish

Black

Tamper Resistant

IK08 rated to protect the unit against external mechanical impacts (*not rated for the LCD display screen or RFID*)

INSTALLATION

Mounting

Wall, Single or Double Pedestal

Hardwired

Yes

ELECTRICAL

Charging Interface

SAEJ1772 Type 1

Input Current

48A

Operating Frequency

50/60 Hz

Input Voltage

200-240V, Single Phase

AC Input Connection

L1/L2/GND

Output Current

48A (max) (with AC breaker capacity selection)

Operating Temperature

-22°F to 122°F (-30°C to 50°C)

Humidity

Max 85%

Input Side Protection

UVP, OVP, Surge Protection, Ground Fault

Output Side Protection

OCP, Control Pilot Fault, Residual Current Protection

Internal Protection

OTP, Relay Welding Detection, CCID Self-Test, MCU Function Fault Detection

Rating of Branch Circuit Breaker

60A

Input wire size

6 AWG

Metering Accuracy

Meter IC (1% Accuracy)

COMPLIANCE

Listings

UL Listed, UL 2594; UL2231-1/-2

Shock Protection

CCID20. A charging circuit interrupting device (CCID) automatically interrupts the circuit when the current reaches or exceeds the threshold current of 20mA.

OpenADR*

Meets requirements to comply with OpenADR 2.0b.

IP Rating

Ingress protection rating of IP56 for dust and water

NEMA Rating

Type 4, weatherproof protection

California Type Evaluation Program (CTEP)

This product meets the requirements of the California Type Evaluation Program (CTEP).

Energy Star Approved*

Yes

FCC

Complies with Part 15 of the FCC Rules.

RoHS

Mercury and UV free. RoHS-compliant components.

** Not applicable for the uncommissioned EVC48/U model.*

OTHER

Warranty

RAB warrants that our products will be free from defects in materials for a period of three (3) years from the date of delivery to the end user.

RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

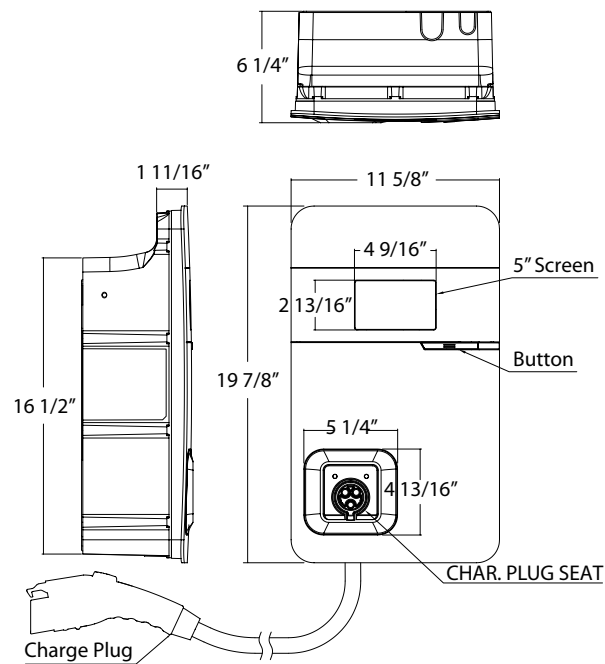
Note

All values are typical (tolerance +/- 10%)

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DIMENSIONS



Catalog Number	Weight
EVC48	16.1 lbs
EVC48/U	16.1 lbs

ACCESSORIES



EVPS



EVPD



EVMS



EVMD

Catalog Number	UPC	Description
EVPS	192552031356	Single Pedestal Base
EVPD	192552031363	Dual Pedestal Base
EVMS	192552031370	Single Cable Management Add-On (Top) 16.4ft
EVMD	192552031387	Dual Cable Management Add-On (Top) 16.4ft

ORDERING INFO

Catalog Number	Model Number for Certification	UPC	Case Pack
EVC48	EVC48	192552031295	1
EVC48/U	EVC48	192552031301	1

ORDERING MATRIX

Family	Max. Current		Cable Length		Nozzle		Compliance	
EVC	48							
EV Charger	48	48A output	Blank	16.4' Cable	Blank	J1772	Blank /U	CTEP Compliant / OCPP Compliant CTEP Compliant / OCPP not provisioned