



Color: Black

Weight: 16.1 lbs

Project:	Type:
Prepared By:	Date:

Technical Specifications

Performance

Product Type:

EVC Level 2, 48A Series

Description:

48A / 11.5 kw Residential/Commercial Charger: 4G networked, OCPP 1.6J protocol, 16.4' Cord, 5-inch LCD display, configurable power, and ISO 15118 protocol.

Protocol:

OCPP 1.6 JSON (Upgradeable to 2.0)

Output Power:

11.5kW

Power Configurable:

6A, 8A, 10A, 13A, 16A, 20A, 25A, 30A, 32A, 40A, 48A. Default setting: 48A

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)

Electrical

Charging Interface:

SAEJ1772 Type 1

Input Current:

48A

Operating Frequency:

50/60Hz

Input Voltage:

200-240V, Single Phase

AC Input Connection:

L1/L2/GND or L/N/PE

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)

Construction

Display Screen:

5-inch LCD display, LED Indicator

Number of Ports:

Single

Charging Cable:

16.4 ft

Technical Specifications (continued)**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

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:

This product is ENERGY STAR® Version 1.1 Certified. Certified and meets program requirements for Electric Vehicle Supply Equipment. Upgradable to Version 1.2.

Energy Star ID:

2389562

RoHS:

Mercury and UV free. RoHS-compliant components.

FCC:

Complies with Part 15 of the FCC Rules

Other**Compatible Accessories:**

EVPS Single Pedestal Base
 EVMS Single Cable Management Add-On (Top) 16.4ft
 EVPD Dual Pedestal Base
 EVMD Dual Cable Management Add-On (Top) 16.4ft

3 Yr Limited 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

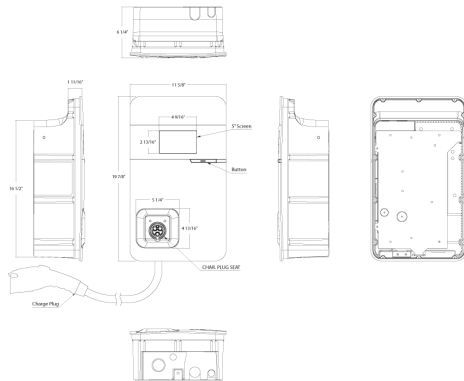
Note:

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

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Dimensions



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

Ordering Matrix

Family	Max. Current	Cable Length	Nozzle	Compliance
EVC	48			
	48 = 48A	Blank = 16.4 ft	Blank = J1772	Blank = CTEP Compliant / OCPP Compliant /U = CTEP Compliant / OCPP not provisioned