Level 2 EV Charger

RAB

3 YEAR LIMITED WARRANTY

UL CERTIFIED

ENERGY STAR

Level 2 EV Charger

REMOTE COMMISSION

24/7 ASSISTANCE

UTILITY REBATES

RESIDENTIAL/ COMMERCIAL

IP56

FCC LISTED

RoHS

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	Product Type	Protocol	Output Power	Power Configurable	Input Current	Output Current	Rating of Branch Circuit Breaker	Input wire size	Charging Cable
EVC48	EVC Level 2, 48A Series	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	EVC Level 2, 48A Series	OCPP Ready	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.

PERFORMANCE

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 seperately

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.

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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℃ to 50℃)*

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.

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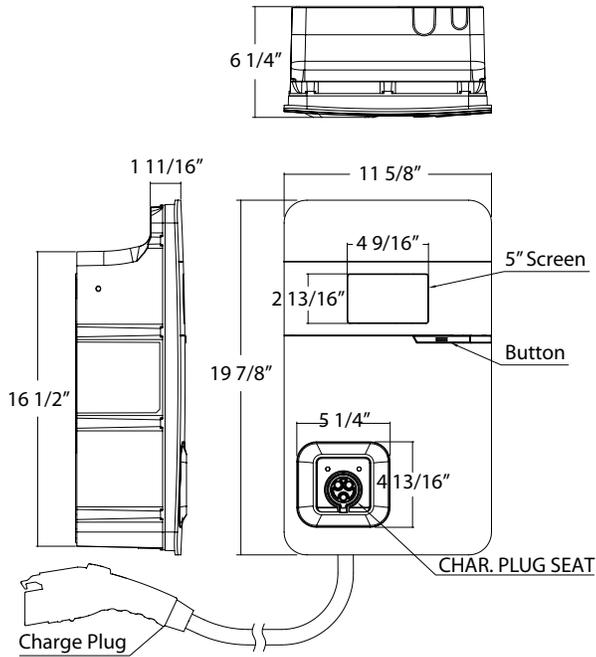
Note
All values are typical (tolerance +/- 10%)

Level 2 EV Charger

RAB®

DIMENSIONS

6 1/4"

1 11/16"
11 5/8"
4 9/16" — 5" Screen
2 13/16"
16 1/2"
19 7/8"
— Button
5 1/4"
4 13/16"
— CHAR. PLUG SEAT
Charge Plug

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	48 — 48A output	Blank — 16.4' Cable	Blank — J1772	Blank — CTEP Compliant / OCPP Compliant /U — CTEP Compliant / OCPP not provisioned