EVC48/ND



Color: Black

Weight: 14.3 lbs

Project:	Type:
Prepared By:	Date:

Technical Specifications

Product Overview

Product Type:
Level 2 EV Charger, 48A, Networked, without LCD Display

Application:
Commercial & public use

Performance

Description:
Level 2 Ac Wall Mount EV Charger 11.5Kw 48A without Display 18 ft Cord Saej1772 Plug Networked Ocpp

Output Power:
11.5kW

Construction

Housing Material:
Polycarbonate and tempered glass with gray & black finish

Cord & Nozzle:
Single port, 18 ft cable with 6AWG guage. Comes with SAEJ1772 Type 1 nozzle

Display:
No display with LED indicator light

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

Ingress Protection:
IP65 and NEMA Type 4

Installation

Mounting:
Charger & nozzle holder can be mounted directly to a wall or used with compatible pedestal (sold separately)

Mounting Hardware Included:
Yes

Electrical

Input Voltage:
200-240V, Single Phase

Input Current:
48A

Output Current:
48A (max) (with AC breaker capacity selection)

Operating Frequency:
50/60Hz

Connector Type:
SAE J1772

Humidity:
Max 90%

Input Side Protection:
Protection against leakage, over-voltage, over current, under-voltage, short circuit, over-temperature

Output Side Protection:
Protection against leakage, over-voltage, over current, under-voltage, automatic full charge, control pilot fault, short circuit, over-temperature

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

Rating of Branch Circuit Breaker:
60A

Other

Wiring:
Hardwired

Input Wire Gauge:
6 AWG

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Technical Specifications (continued)

Compatible Accessories:
EVP - Pedestal
EVM - Cable Management Add-On
EVR - Cable Management Retractor
EVPB - Side-By-Side Mounting Bracket

3-Year Limited Warranty:
Electric Vehicle Charger products will be free from defects in materials and workmanship for a period of (3) years from the date of original sale to RAB's distributor. The product shall be considered defective only if it cannot be brought back to service by assistance from RAB technical product support representative. If you have a technical issue or question regarding warranty, call our technical support team at RAB Help line. Exceptions apply as stated on product specification sheets incorporated herein by reference. Defects in material or workmanship do not include improper installation or operation, alterations, power surges or overheating due to external conditions. Defects caused by acts of vandalism and incidents beyond control of manufacturer resulting in inoperability of the electric vehicle charger are not covered by the material or workmanship warranty.

Software Plan Options:
ChargeLab CSMS: 1-year, 3-year, 5-year; RAB Lightcloud Charge: Free (Wi-Fi); Lightcloud Charge Cellular: 1-year

Concierge Provisioning:
RAB pre-provisions software and SIM card before shipment — installer powers on device, site is live immediately

Hardware Technical Support:
RAB technical support included

Driver Support:
24/7 telephone support for EV drivers

Network & Connectivity

Communication Protocol:
OCPP 1.6 JSON

Connectivity Type:
Ethernet + Wifi (IEEE 802.11 b/g/n) + 4G

CSMS Platform Compatibility:
RAB Lightcloud Charge
Chargelab CSMS
Additional software options available upon request

Remote Monitoring:
Yes

OTA Firmware Updates:
Included

Load Management:
No

Charging Performance

Authetification Methods:
Plug-and-charge, mobile app, QR code, RFID

Energy Monitoring:
Yes

Marketing Accuracy:
Meter IC (1% accuracy)

Enviromental Ratings

Operating Temperature:
-22°F to 131°F (-30°C to 55°C)

Humidity:
Max 85%

UV Resistance:
Material complies with UL 746C F1 requirements for UV and water exposure

Enclosure Rating:
NEMA 4X

Altitude Rating:
≤2000m

Safety & Compliance

Safety Listings:
ETL Listed

UL Standards:
UL 2594, UL 2231

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:
No

IP Rating:
Ingress protection rating of IP65 for dust and water

NEMA Rating:
Type 4, weatherproof protection

EnergyStar:
Yes

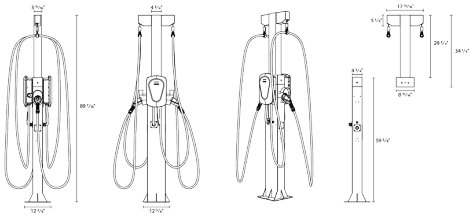
RoHS:
Mercury and UV free. RoHS-compliant components.

FCC:
Complies with Part 15 of the FCC Rules

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Dimensions



Features

- Networked charger that can connect to the internet via 4G SIM, Ethernet, or Wifi
- OCPP Compliant which allows the charger to communicate to software management systems
- J1772 cord and plug which charges almost all EVs and PHEVs
- Authentication via QR code on charger or with RFID cards sold separately
- Qualifies for incentives; RAB lists its products on hundreds of different utility programs across the country
- Durable, quality design - Level 2 fast charger for residential and commercial use
- Many ways to mount: Pedestal, cable management, single, back-to-back, or side-to-side

Ordering Matrix

Family	Max. Current	Display Type	Cable Length	Nozzle
EVC	48	/ND		
	48 = 48A	**Blank =** LCD Display **/ND =** No LCD Display	**Blank =** 18' Cable	**Blank =** J1772

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