

Level 2 EV Charger



EVC32

EVC40

Level 2 EV Charger



PLUG AND
PLAY



EV
CONCIERGE



UTILITY
REBATES



RESIDENTIAL/
COMMERCIAL



IP65



FCC
LISTED



RoHS

PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Residential and Commercial EV Charging
- 32A-7.6kW, 40A-9.6kW Single Phase
- IP65 / NEMA Type4 / IK08 Protection
- Plug and play
- SAE J1772 Type 1
- NEMA14-50 Plug
- 23 ft Cable

PERFORMANCE

Catalog Number	Product Type	Output Power	Power Configuration	Input Current	Output Current	Rating of Branch Circuit Breaker	Input wire size	Charging Cable
EVC32	EVC Level 2, 32A Series	7.6 kW	Max 32A	32A	32A (max)	50A	8 AWG	23 ft
EVC40	EVC Level 2, 40A Series	9.6 kW	Max 40A	40A	40A (max)			

CONSTRUCTION

Display Screen

No Display

Number of Ports

Single

Charging Cable

23 ft

Finish

Silver

Tamper Resistant

IK08 rated to protect the unit against external impacts

INSTALLATION

Mounting

Wall mount

Hardwired

No

TECHNICAL SPECIFICATIONS (CONT.)

ELECTRICAL

Charging Interface

SAEJ1772 Type 1

Input Current

32A, 40A

Operating Frequency

50/60 Hz

Input Voltage

200-240V, Single Phase

AC Input Connection

NEMA 14-50 plug

Output Current

32A (max), 40A (max)

Operating Temperature

-22°F to 131°F (-30°C to 55°C)

Humidity

Max 90%

Input Side Protection

Leakage protection
Over-voltage protection
Over current protection
Under-voltage protection
Short circuit protection
Over temperature protection

Output Side Protection

Leakage protection
Over-voltage protection
Over current protection
Under-voltage protection
Automatic full charge protection
Control pilot fault protection
Short circuit protection
Over temperature protection

Internal Protection

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

Rating of Branch Circuit Breaker

50A

Input wire size

8 AWG

Metering Accuracy

Meter IC (1% Accuracy)

COMPLIANCE

Listings

ETL Listed

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

California Type Evaluation Program (CTEP)

No

Energy Star Approved

Yes

FCC

Complies with Part 15 of the FCC Rules.

RoHS

Mercury and UV free. RoHS-compliant components.

OTHER

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.

Buy American Act Compliance

No

Note

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

