EVC40/LCB Smart Electric Vehicle Charger

RAB®

PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____

3 YEAR LIMITED WARRANTY

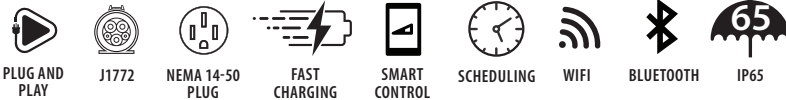**ETL LISTED**

energy ENERGY STAR

FC COMPLIANT

KEY FEATURES

- Smart - Works with the Lightcloud Blue app via Wi-Fi connection
- Control - On/Off, scheduling charging, view charging session history, and control from anywhere, all from the app.
- Indoor/Outdoor Use - Water resistant, NEMA Type 4 enclosure and a cable designed to prevent freezing and cracking in extreme weather.*
- Easy Install - Wall mountable, plug and play.**
- Charge any vehicle with an industry standard SAE J1772™ cable and connector

40A, Level 2 Charger w/Wi-Fi and Lightcloud Blue

PLUG AND PLAY	J1772	NEMA 14-50 PLUG	FAST CHARGING	SMART CONTROL	SCHEDULING	WIFI	BLUETOOTH	IP65

For outdoor applications, weatherproof receptacle must be installed in a 2-gang outdoor box and must use code compliant weatherproof cover.

**Charger comes with a NEMA 14-50P Plug*

TECHNICAL SPECIFICATIONS

INSTALLATION

Mounting
Wall mount

Hardwired
No

SOFTWARE SPECIFICATIONS

App Interface
Lightcloud Blue App

Lightcloud®

Software Features
- On/Off Control
- Remote Access from anywhere
- Schedule changing during off peak hours

ELECTRICAL PROTECTION

Leakage Protection
Yes, CCID20

Ground Protection
Yes

Over-Voltage Protection
Yes

Under-Voltage Protection
Yes

Under-Current Protection
Yes

Abnormal Protection of Charging
Yes

Plug Wire Connection
No

EVC40/LCB Smart Electric Vehicle Charger

RAB

TECHNICAL SPECIFICATIONS (CONT.)

HARDWARE

Charging Mode
Level 2

Charge Connector Cord
J1772 (Type 1)

Number of Ports
Single Port

Charge Cord Length
23 ft.

Product Power
9.6 kW

Input Voltage
200-240VAC Single Phase

Input Frequency
50/60 Hz

Maximum Output Current
40A (16/32/40A selectable via software App)

Input line Number
Three Lines-L1, L2, PE Single Phase

Rating of Branch Circuit Breaker
50A

Input Plug
NEMA 14-50

Input Wire Size
8AWG

Metering Accuracy
Meter IC (1% Accuracy)

Application
Can be used indoors or outdoors in residential or commercial applications.

Housing Material
PC and tempered glass

Housing Finish
Silver & black

Warranty
3-Year limited warranty

INTERFACE

Charging Method
Plug & Play - Level 2 AC Charger

Connectivity
Wi-Fi

Indicator Light
Standby: green light always on
Charging: green light pulsating
Fault: red light flashes.

LCD Screen
No

ENVIRONMENTAL SPECIFICIATIONS

Storage Temperature
 -22° to 158°F (-30 to 70°C)

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

Relative Humidity
≤90%

Protection Level
NEMA Type 4

Altitude
≤6,561.68 ft

Operational Environment
Outdoor, Indoor

CERTIFICATIONS & LISTINGS

Impact Resistance
IK08 rated to protect the unit against external impacts

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

IP Rating
Ingress protection rating of IP65 for dust and water

Energy Star
Yes

Safety Rating
ETL Listed

FCC Listing
Complies with Part 15 of the FCC Rules

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.
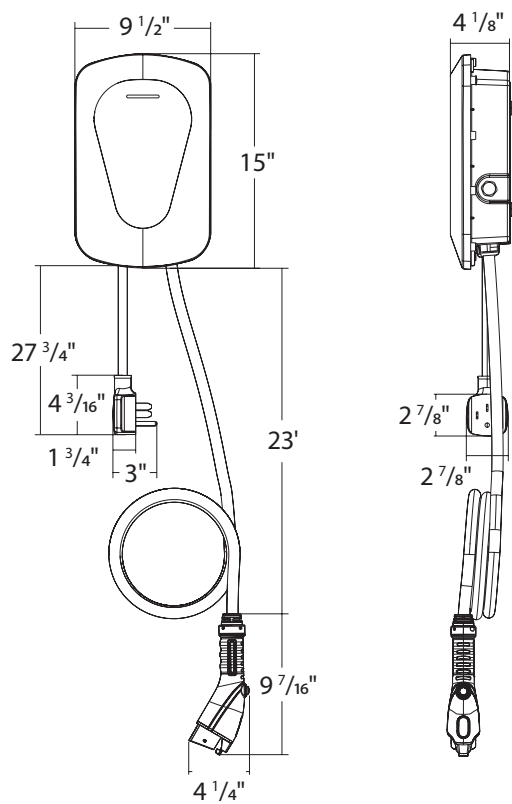
Buy American Act Compliance
No

EVC40/LCB Smart Electric Vehicle Charger

RAB®

DIMENSIONS

EVC40/LCB
Weight: 14.3 lbs

9 1/2"
15"
27 3/4"
4 3/16"
1 3/4"
3"
23'
9 7/16"
4 1/4"
4 1/8"
2 7/8"
2 7/8"

ORDERING INFO

Catalog Number	UPC	Case Pack
EVC40/LCB	192552037242	1

ORDERING MATRIX

Family	Max. Current	Control
EVC		
EV Charger	40 40A Output	/LCB Lightcloud Blue