



PROGRAM DATASHEET · ROLL-UP FAST CHARGER · EVQC-E

EVQC030-E to EVQC050-E

30 - 50 kW Outdoor Mobile DC Quick Charger

"Working the day it arrives. Rated for outdoors."



DESCRIPTION

The EVQC030-E to EVQC050-E is a mobile, all-in-one family of DC quick chargers capable of up to 50 kW continuous charging output, with highly flexible, field-configurable Vac input power that accepts the most common distribution voltages. It is directly pluggable into suitable wall outlets and is rated for outdoor use.

Industry-standard connectivity supports fast-charging processes and usability on every unit.

Field configuration: patent pending.

FEATURES & BENEFITS

- Highly flexible power input with no de-rating
- Field scalable power, from 30 up to 50 kW
- Greater than 1 million hours MTBF on PSU topology
- IP66/NEMA 4 enclosure
- Field replaceable power modules
- Multiple initiation/authorization methods

APPLICATIONS

- Small, mid, and large fleets & depots
- Body shops and repair shops
- Retail and hospitality
- OEM test facilities
- Public and commercial buildings
- Municipalities
- Residential and multi-unit dwellings

SPECIFICATIONS

Quoted verbatim from Pii DATA112 (last updated November 5, 2025)

Input voltage	240 Vac Single Phase · 208 or 240 Vac 3-Phase (3P + PE) Delta · 480/277 Vac 3-Phase (3P + N + PE) Wye
Input operating range and current	240 Vac Single Phase: 216 to 252 V, 225 A max, 60 Hz 208/240 Vac 3-Phase Delta: 190 to 252 V, 165 A max, 60 Hz 480 Vac 3-Phase Wye: 432 to 504 V, 70 A max, 60 Hz
Output power	Up to 50 kW maximum
Output voltage	250 to 920 Vdc
Efficiency	95%
Charging connector	CCS1 or NACS · 5 m cable standard
Charging/data protocols	DIN 70121 and OCPP 1.6J compliant
Network / RFID / display	Cellular 4G LTE, Wi-Fi · ISO/IEC 14443 A/B, ISO 15393, NFC Reader Mode · 7" color LCD
Temperature	Operational -30 °C to +50 °C · Storage -40 °C to +80 °C
Humidity / altitude	Up to 95% non-condensing · 2000 m (6560 ft)
Enclosure	NEMA 4; IP66
Weight	Up to 312 kg
Dimensions	45.4 in H x 29.4 in W x 49.3 in L
Certifications	cETLus listed to UL 2202, UL 2231-1 & -2, and CSA C22.2 No. 281.1, 281.2 and 346

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