

EVDC030

30kW DC Input EV Charger

Description

The EVQC030 is an all-in-one DC quick charger that enables up to 30kW continuous charging output. This product also offers a direct DC voltage input, based on the EVQC030 flexible Vac input power, now enabling Vac and Vdc inputs, thus reducing overall infrastructure and construction costs.

All of Power Innovations International's EV chargers have industry-standard connectivity for fast charging, remote services, and software updates.

Features and Benefits

- Direct Current input with no de-rating above 210Vdc
- Field-replaceable power modules
- Greater than 1 million hours MTBF on PSU topology
- IP54/NEMA 3S enclosure
- Multiple payment/authorization methods
 - RFID and credit card
- Remote upgrades via over-the-air updates

Applications

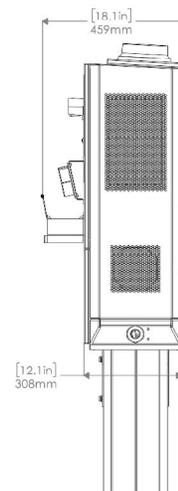
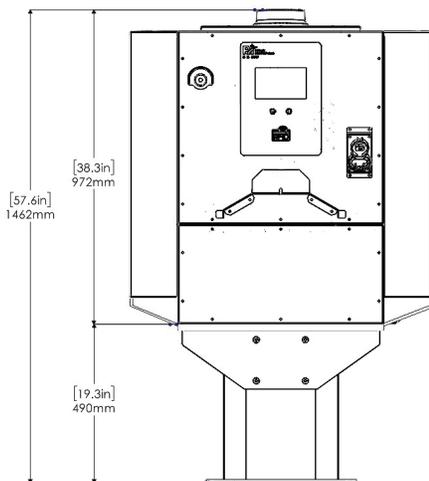
- EV infrastructure and service providers
- Airport Ground Support Equipment (GSE)
- OEM test facilities
- DC Coupled Microgrids
- Municipalities
- Small, mid, and large fleets & depots



Specifications

Input Voltage	240 Vac Single Phase 208 or 240 Vac 3-Phase (3P + PE) Delta 480/277 Vac 3-Phase (3P + N + PE) Wye 120 to 420 Vdc
Input Operating Range and Current	240 Vac Single Phase: 216 to 252 V, 150 A max, 60 Hz 208/240 Vac 3-Phase Delta: 190 to 252 V, 100 A max, 60 Hz 480 Vac 3-Phase Wye: 432 to 504 V, 45 A max, 60 Hz DC Input: 120 to 420 Vdc; 150 A max
Output Power	30 kW maximum
Output Voltage	250 to 920 Vdc
Efficiency	95%
Charging Connector	CCS1 and NACS
Charging Cable Length	5 m standard
Charging/Data Protocols	DIN 70121 and OCPP 1.6J compliant
Network Interface	Cellular 4G LTE, Wi-Fi
RFID	ISO/IEC 14443 A/B, ISO 15393, NFC Reader Mode
Display	7" color LCD
Operational Temperature	-30 °C to +50 °C
Storage Temperature	-40 °C to +80 °C
Relative Humidity	Up to 95% non-condensing
Altitude	2000 m (6560 ft)
Enclosure Rating	NEMA 3S; IP54
Impact Resistance	IK10
Weight	140 kg (Charger only)
Mounting	Wall-mounted or pedestal (both sold separately)
Certifications	cETLus listed to UL 2202, UL2231-1 & -2, and CSA C22.2 No. 281.1, 281.2 and 346

Product Dimensions [in], mm



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