



PROGRAM DATASHEET · NO-UPGRADE FAST CHARGER · EVDC (DC-INPUT)

EVDC030

30 kW DC Input EV Charger

"Turn a legacy DC bus into a charging backbone."



DESCRIPTION

The EVDC030 is an all-in-one DC quick charger that enables up to 30 kW continuous charging output. It offers a direct DC voltage input, based on the EVQC030 flexible Vac input power, now enabling Vac and Vdc inputs and reducing overall infrastructure and construction costs.

Industry-standard connectivity supports fast charging, remote services, and software updates on every unit.

Field configuration: patent pending.

Model naming note: the Pii source datasheet describes this DC-Input model on the EVQC platform; the orderable model is EVDC030.

FEATURES & BENEFITS

- Direct Current input with no de-rating above 210 Vdc
- 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)
- DC Coupled Microgrids
- OEM test facilities
- Municipalities
- Small, mid, and large fleets & depots

SPECIFICATIONS

Quoted verbatim from Pii DATA157 (last updated February 17, 2026)

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 · 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 / impact	NEMA 3S; IP54 · IK10
Weight	140 kg (charger only)
Dimensions	See DATA157 dimension drawing
Mounting	Wall-mounted or pedestal (both sold separately)
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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