



Uni-Directional Chargers



Pii's family of uni-directional DC fast chargers is available in power ratings from 30 kW up to 120 kW in compact, all-in-one systems. Each charger offers highly flexible, field-configurable Vac input power with no derating, accepting the most common distribution voltages in the same product: lower infrastructure cost, easier installation, and full rated power on the panel the building already has.

KEY FEATURES AND ADVANTAGES

- Highly flexible power input with no derating
- Demonstrated MTBF on PSU topology of over 1 million hours
- Remote upgrades via over-the-air updates
- Cellular 4G LTE, Wi-Fi
- Field-replaceable power modules
- Multiple payment / authorization methods
- ISO/IEC 14443 A/B, ISO 15393, NFC reader mode
- DIN 70121 and OCPP 1.6J compliant

ELECTRICAL SPECIFICATIONS

Model	Power Rating	Input Voltage	Output Voltage
EVQC030-M to EVQC060-M	30 to 60 kW	240 Vac Single Phase (up to 50 kW) 208 or 240 Vac Delta 480 Wye	250 to 920 Vdc
EVQC030-E to EVQC050-E	30 to 50 kW	240 Vac Single Phase (up to 50 kW) 208 or 240 Vac Delta 480 Wye	250 to 920 Vdc
EVQC030 / EVQC060	30 kW / 60 kW	240 Vac Single Phase (up to 50 kW) 208 or 240 Vac Delta 480 Wye	250 to 920 Vdc
EVFC060	60 kW	208 or 240 Vac Delta 480 Wye	250 to 920 Vdc
EVFC120	120 kW	208 or 240 Vac Delta 480 Wye	250 to 920 Vdc
EVDC030 / EVDC060	30 to 60 kW	120 to 420 Vdc (DC input)	250 to 920 Vdc

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Model	Mounting	Connectors	Cable	Operating Temp.
EVQC030-M to EVQC060-M	Mobile / on wheels	(1) CCS1 or NACS	5 m	-30 °C to +50 °C
EVQC030-E to EVQC050-E	Mobile / on wheels	(1) CCS1 or NACS	5 m	-30 °C to +50 °C
EVQC030 / EVDC030	Pedestal or wall mount	(1) CCS1 or NACS	5 m	-30 °C to +50 °C
EVQC060 / EVFC060 / EVDC060	Pedestal	Up to (2) CCS1 or NACS	5 m	-30 °C to +50 °C
EVFC120	All-in-one cabinet	Up to (2) CCS1 or NACS	5.5 m or 8 m ¹	-30 °C to +50 °C

Note 1: 5.5 m with no cable management; 8 m with cable management.



Bi-Directional Chargers



Pii's bi-directional chargers are all-in-one DC quick chargers enabling up to 60 kW of bi-directional charging input and output. They can also be configured to provide different charging and discharging power, totaling up to 120 kW of power in and out: the parked fleet becomes a resilience asset for the site.

KEY FEATURES AND ADVANTAGES

- Bi-directional, vehicle-to-grid (V2G) charging
- IP54 / NEMA 3R enclosure
- Network interfaces: Cellular 4G LTE and Wi-Fi
- Demonstrated MTBF on PSU topology of over 1 million hours
- Power input/output definable in shelves

KEY SPECIFICATIONS

Specification	Value
Rated Power	Standard configurations: 30 or 60 kW charging & discharging Alternate configurations (cabinet model): 70/50 kW & 80/40 kW
AC Grid Voltage	208 or 240 Vac 3-Phase (3P + PE) Delta 480/277 Vac 3-Phase (3P + N + PE) Wye
AC Current	195 A maximum (208 or 240 Vac 3-phase Delta) 85 A maximum (480 Vac 3-phase Wye)
DC Output Voltage Range	250 to 920 Vdc
DC Input Voltage Range	290 to 450 Vdc, or 520 to 900 Vdc

THE HONEST HEDGE, IN WRITING

Bi-directional capability is engineering fact; bi-directional economics are site-specific. What V2G is worth at your site is a conversation with your utility and operator, and we will have it with you. Compliance: designed to UL 2202, IEEE 1547.1 and UL 1741-SB.

Will it run on the power your site already has?

One utility bill. Two photos. One week. A power engineer returns a written read, free.

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