



EVQC & EVFC Electric Vehicle Chargers

30 to 180 kW EV Fast Chargers

Description

Power Innovations International's family of DC Fast Chargers are available in power ratings from 30 kW up to 180 kW in compact, all-in-one systems. Each charger offers highly flexible and field configurable Vac input power configurations with no de-rating.

This flexibility provides the ability to accept the most common distribution voltages in the same product, helping to reduce overall infrastructure costs and allow easier installation.

Key Features and Advantages

- Highly flexible power input with no de-rating
- Field replaceable power modules
- Demonstrated MTBF > 1 million hours
- Multiple payment/authorization methods
 - RFID, credit card, plug-to-charge
- Remote upgrades via Over-the-Air updates
- Suitable for a broad range of EV use cases

Electrical Specifications

Model	Power Rating	Input Voltage	Output Voltage	Output Current
EVQC030-M to EVQC060-M	30 to 60 kW	240 Vac Single Phase 208 or 240 Vac Delta 480/277 Vac Wye	250 to 920 Vdc (400 & 800 Vdc nominal)	Up to 150 A
EVQC030	30 kW			Up to 75 A
EVQC060	60 kW			Up to 150 A
EVFC120	120 kW			Up to 300 A
EVFC150	150 kW			Up to 375 A
EVFC180	180 kW			Up to 450 A

Mechanical and Environmental Specifications

Model	Mounting	Connectors	Standard Cable Length	Operating Temperature
EVQC030-M to EVQC060-M	Mobile / On Wheels	(1) CCS1, rated up to 60 kW	2 m	-35 °C to +50 °C
EVQC030	Pedestal or Wall Mount	(1) CCS1	5 m	-35 °C to +50 °C
EVQC060	Pedestal	(1) CCS1	5 m	-35 °C to +50 °C
EVFC120	All-in-One Cabinet	Up to (2) CCS1	5.5 m	-35 °C to +50 °C
EVFC150	All-in-One Cabinet	(1) CCS1	5.5 m	-35 °C to +50 °C
EVFC180	All-in-One Cabinet	Up to (2) CCS2	5.5 m	-35 °C to +50 °C

Networking & Communication

Charging/Data Protocols	DIN 70121, ISO 15118-2, OCPP 2.0-enabled
Network Interface	Cellular 4G LTE, WiFi
RFID	ISO/IEC 14443 A/B, ISO 15393, NFC Reader Mode



30-60 kW Mobile



30 kW Pedestal Mount



120-180 kW All-in-One