



Powering every Journey

PhilbrickEV DC fast chargers. High-performance DC charging solutions from 20 to 480 kW, engineered for reliable, scalable charging across urban, commercial, retail and high-traffic applications.



- Space-efficient design
- Optimized for higher returns
- Future-ready architecture

PhilbrickEV DC Fast Charger is a high-performance charging platform designed to deliver reliable and efficient charging across a wide range of electric vehicles. With a compact footprint, Make in India engineering and dual-vehicle charging capability, it is designed for urban environments, commercial locations, retail spaces and high-demand charging applications. Built with tomorrow's EVs in mind, the charger combines intelligent charging technology with a robust architecture to support evolving vehicle and charging requirements. Compact by design. Powerful by nature. Made in India.

PhilbrickEV DC Fast Charger (30-240kW)

Core Insights

CONNECTED 24/7/365 remote monitoring, diagnostics, and OTA updates to keep your charger ready for the evolving EV ecosystem.

UPGRADABLE Modular power architecture designed to scale with growing EV demand and higher battery capacities. **30 to 240kW**

INTERACTIVE High-brightness touchscreen with intuitive graphical visualization of the charging process.

ROBUST Built for the outdoors with a durable, all-weather stainless-steel enclosure.

SAFETY Easily accessible emergency stop button for immediate charging shutdown.

SEAMLESS Retractable cable management designed for effortless driver interaction.

FLEXIBLE Support up to two simultaneous EV charging sessions through CCS connectors

SIMPLIFIED Streamlined design makes installation and commissioning faster and easier.



INTELLIGENT OCPP-integrated Autocharge functionality enables seamless vehicle authentication through the CCS connection.

MAX CHARGING POWER

DC20 kW-Single Gun
DC30 kW-Single Gun
DC60 kW-Dual Gun
DC120 kW-Dual Gun
DC180 kW-Dual Gun
DC240 kW-Dual Gun

MAX CHARGING VOLTAGE

CCS2 1000 V DC

DIMENSIONS

Height 1900 mm / 74.8 in
Width 565.5 mm / 22.3 in
Depth 880 mm / 34.6 in
Weight 395 kg

Why **PhilbrickEV** DC fast chargers?

Smart, Powerful, Flexible and Intelligent



Power sharing for high utilization

- Charge two EVs simultaneously with intelligent power sharing.
- Adaptable charging for diverse vehicle and site requirements.
- Maximize charging asset utilization for public and fleet applications.
- Engineered for safe, reliable and secure charging.



Future-proof, flexible high-voltage technology

- Flexible, redundant power architecture supports high uptime
- High-voltage charging range up to 800V
- Fully compatible with current and future EVs
- Scale charging power from 20 kW to 240 kW as demand grows.



Reliable, compact and flexible design

- Built on a proven DC fast-charging architecture.
- Space-saving all-in-one design for easy installation and servicing.
- Robust construction for demanding operating environments.
- Integrated cable management option designed for durability and longevity.



Always connected, always smart

- 24/7 connectivity for remote diagnostics
- Remote services with remote firmware updates and upgrades
- OCPP integration-ready 1.6J and 2.0.1J Ready
- Autocharge and ISO 15118-ready for plug and charge operation



Technical specification

PEV-DCXX-D	
Product information	
Charging type	CCS2 DC fast charging
EVSE-vehicle protocol	DIN SPEC 70121, ISO 15118
Number of EV served	2
Cable Length	5m
DC Output	
DC output power	30 kW / 60 kW / 120 kW / 180 kW / 240 kW
DC output voltage	200 Vdc - 1000 Vdc
DC output current	Max 250A
AC Input	
Grid voltage	3 / N / PE, 380 Vac / 400 Vac (± 10 %)
Nominal grid frequency	50 Hz / 60 Hz
Earthing system	TN-C, TN-S, TN-C-S, TT
Rated input current	46 A
Max. input current	52 A
Power factor	≥ 0.99
Total harmonic distortion (THDi)	< 5 % at full output power
Overvoltage category	III
Efficiency	
Max. efficiency	97.5%
Protection	
Over/under voltage protection	Yes
Over-current protection	Yes
Short-circuit protection	Yes
Over-temperature protection	Yes
Surge protection	Yes
Emergency stop	Yes, integrated
User interface	
Display	10.1-inch color touch screen
Language	English (default)
Authentication	RFID-card, Plug & Play, Auto-charge (default) Plug & Charge, Payment terminal (optional)
Firmware update	Over-the-air (OTA) using HTTP, FTP OCCP
RFID system	ISO / IEC 14443 A / B, ISO / IEC 15693
Energy metering	MID metering (CE compliant)
Communication interface	4G, Ethernet, WLAN
Communication protocol (charger-to CSMS)	OCPP 1.6 J Ready for OCPP 2.0.1
Mechanical data	
Dimensions (W*H*D)	750 mm * 650 mm * 250 mm
Weight	62 kg
Installation method	Wall-mounting (default) Stand column, trolley (optional)
Mechanical impact protection	IK10 **
Environmental data	
Degree of protection	IP55
Anti-corrosion degree	C5
Operating ambient temperature range	-35 °C to 80 °C
Allowable relative humidity range	5% - 95% (non-condensing)
Max. operating altitude	≤ 2000 m
Cooling method	Smart forced air cooling
Noise (typical)	≤50 dB(A)
EMC	Class B
Certification and standards	
Certifications	CE, ARAI
Compliance	BS / EN IEC 61851-1, BS / EN IEC 61851-21-2, BS / IEC EN 61851-23 / 24, EN IEC 62311
Warranty	2 years (standard)



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