

120 kW Mini DC Charger

Built-in Safety

- Over-Current
- Over-Voltage and Under-Voltage
- Ground Fault Detection
- Surge Protection
- Emergency Stop Machine
- Polarity Reverse Protection
- Cable Temperature Detection
- Earth Presence Detection

Design

- Three-phase input
- IEC 15118 EIM & PNC
- 2 x CCS2 (IEC 62196.3-2014)

Load Management

- Built-in Energy Meter
- Set up for External Energy Meter Integration or Dynamic Load Management
- Ready for Integration with Advanced Smart Building Energy Systems

Connectivity

- GSM, Ethernet, Bluetooth and Wi-Fi
- OCPP 1.6J (upgradable to 2.1)
- Compliant Authentication via App or RFID
- Configuration via App, Web Portal



Input Supply

Input Voltage	415 VAC ($\pm 15\%$) 3-phase, 50 Hz
Wires	Three Phase (L1, L2, L3, N, PE)

Output Power

Output Interface Option	CCS2
Output Power	120 kW
Output Current	200A (100A per gun when both in operation)

Electrical Parameter

Efficiency	95% at nominal output power
Power Factor	0.99 at nominal output power
Current THD	5% at nominal output power

Environment

Operating Temperature	-10°C to +55°C (Derating applied at extreme temperature)
Recommended Storage	-10°C to +70°C (Dry environment)
Altitude	2000 mt
Humidity	5% to 95%, non-condensing
Noise Level	≤ 60 dB

User Interface and Control

Display	7/10.1" TFT LCD Touch Screen
Emergency Stop	Mushroom Type
User Authentication	Using Mobile Application or User Interface QR Codes / RFID Cards / Password Login
Visual Indication RFID	RGB LEDs
Specifications	RC 522 RFID Reader ISO/ IEC 14443A/ MIFAR

Protection

Protection	Over-Voltage, Over-Current, Under-Voltage, Surge, Over-Temperature, Ground Fault, Polarity Reverse Protection, Insulation Monitoring, Leakage, Charge Cable Temperature Detection, Earth Presence Detection
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Communication

Network Connection	GSM/3G/4G; 10/100 Base -T Ethernet; Wi-Fi, Bluetooth OCPP
Communication Protocol	1.6J (upgradable to 2.1)
Vehicle	IEC61851, ISO15118, DIN70121

Mechanical

IP Rating Shell	IP 55
Material Cooling	Air Cooling
Cable Length Product	15 ft. Standard
Dimension (L*W*H)	750 mm x 520 mm x 1500 mm (± 5 mm)
Product Weight	200 kg (± 5 kg)