

30 kW DC Charger

Built-in Safety

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

Connectivity

- Wi-Fi, GSM (optional) and Ethernet (optional)
- OCPP 2.1J Compliant
- Authentication via App or RFID
- Configuration via the App or web portal

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

Design

- Three-phase input
- IEC 15118 EIM & PNC
- CCS2



Input Supply

Input Voltage	415 VAC ($\pm 10\%$), 3-phase, 50 Hz
Wires	Three Phase (L1, L2, L3, N, PE)

Output

Output Interface Option	CCS2
Max Output Power	30 kW
Output Voltage	100A

Electrical

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 Applies)
Storage Temperature	-10°C to +70°C (Dry Environment)
Altitude	2000 m
Humidity	5% to 95%, non-condensing
Noise Level	≤ 60 dB

User Interface & Control

Display	10.4" TFT LCD Touch Screen
Emergency Stop	Mushroom Type
User Authentication	App / QR / RFID / Password / Optional Autocharge / Optional UPI
Visual Indication	RGD Neo Pixel LEDs
RFID Specs	RC 522, ISO/IEC 14443A, MIFARE

Protection

Protection	Over-Current, Over-Voltage, Over-Temperature, Under-Voltage, Surege, Short Circuit, Ground Fault, Emergency Shutdown, Polarity Reverse, Insulation Monitoring, Leakage, Cable Temp Detection, Earth Detection
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Communicatio

Network	GSM / 3G / 4G, Ethernet, Wi-Fi, Bluetooth
Protocol	OCPP 1.6J (Upgradable to 2.1)
Vehicle Standards	IEC 61851, ISO 15118, DIN 70121

Mechanical

IP Rating	IP54
Cooling	Air Cooling
Cable Length	15 ft.
Dimensions (L x W x H)	1720 x 540 x 275 mm
Weight	130 kg

Certifications

Certificates	ARAI in Progress
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