Charge-M8© Omega

30kW DC EV Charger

High Efficiency
Advanced soft-switching design for stable, efficient performance.

Smart Charging
EVSCP compliant

Full Protection
Comprehensive electrical and thermal protection.

All-Weather Use
IP55 and -30°C to +55°C operation.

Easy Operation
7-inch touch screen with clear status indicators.

OCPP 1.6
Background communication protocol enables platform connectivity.

Network
Built-in 4G, RJ45 Ethernet and Wi-Fi (2.4 GHz)

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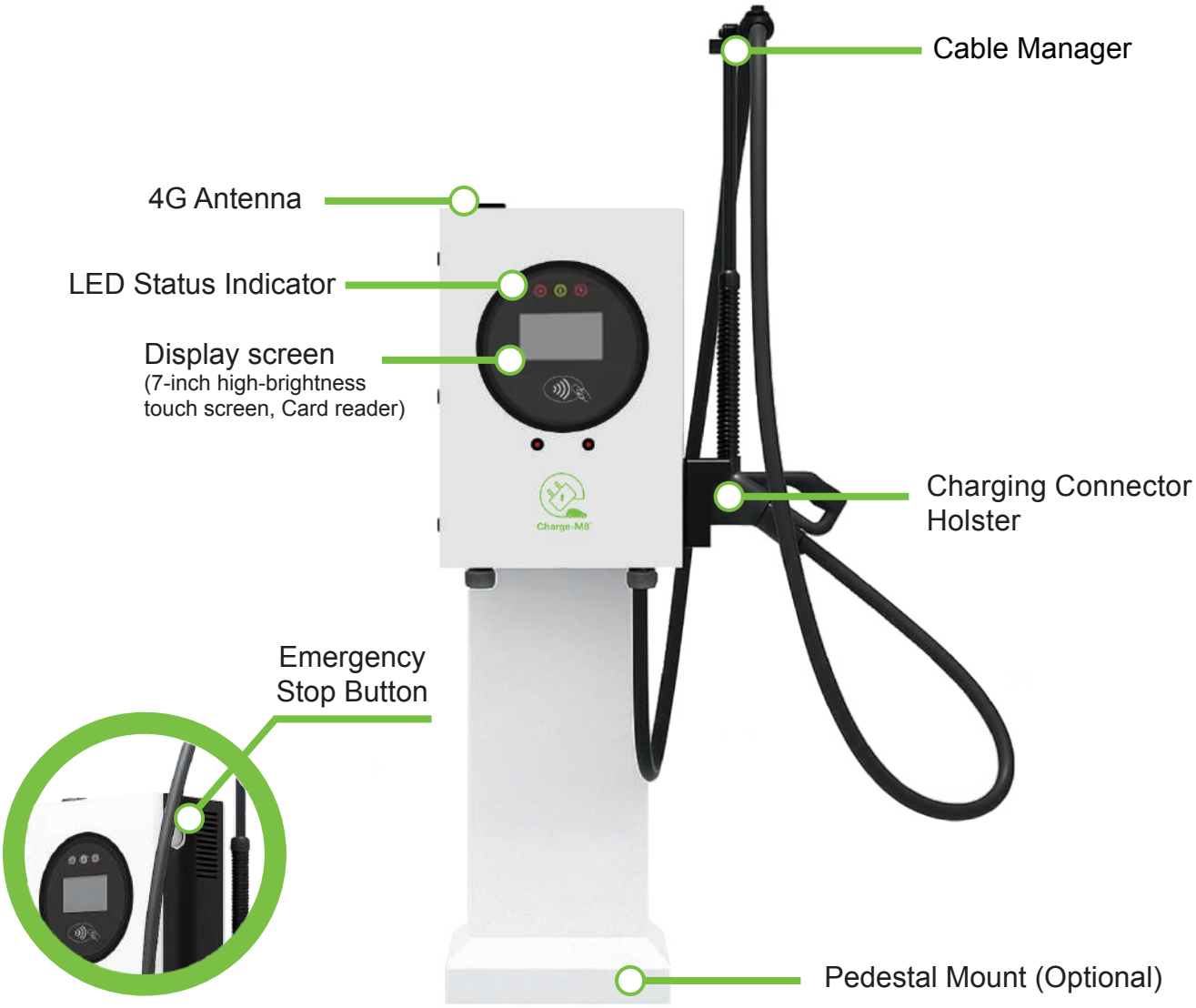
Charge-M8 Omega DC Charger



Key Strengths

The Omega DC charger provides safe and reliable charging for electric vehicles with the CCS2 standard connector socket.

Built-in 4G
Wi-Fi (2.4 GHz)
RJ45 Ethernet

Background communication protocol OCPP 1.6 enables platform connectivity.

Fast. Safe. Efficient.

The Omega DC charger provides safe and reliable charging for electric vehicles equipped with the CCS2 standard connector. The charger communicates with the vehicle battery management system (BMS) in real time during the charging process to ensure smart and safe vehicle charging.

Example installation scenarios include:

- Electric vehicle transport depots (Bus/Truck);
- Hospitality (Hotels and sports clubs);
- Commercial business offices;
- Car dealerships;
- Public EV charging sites.

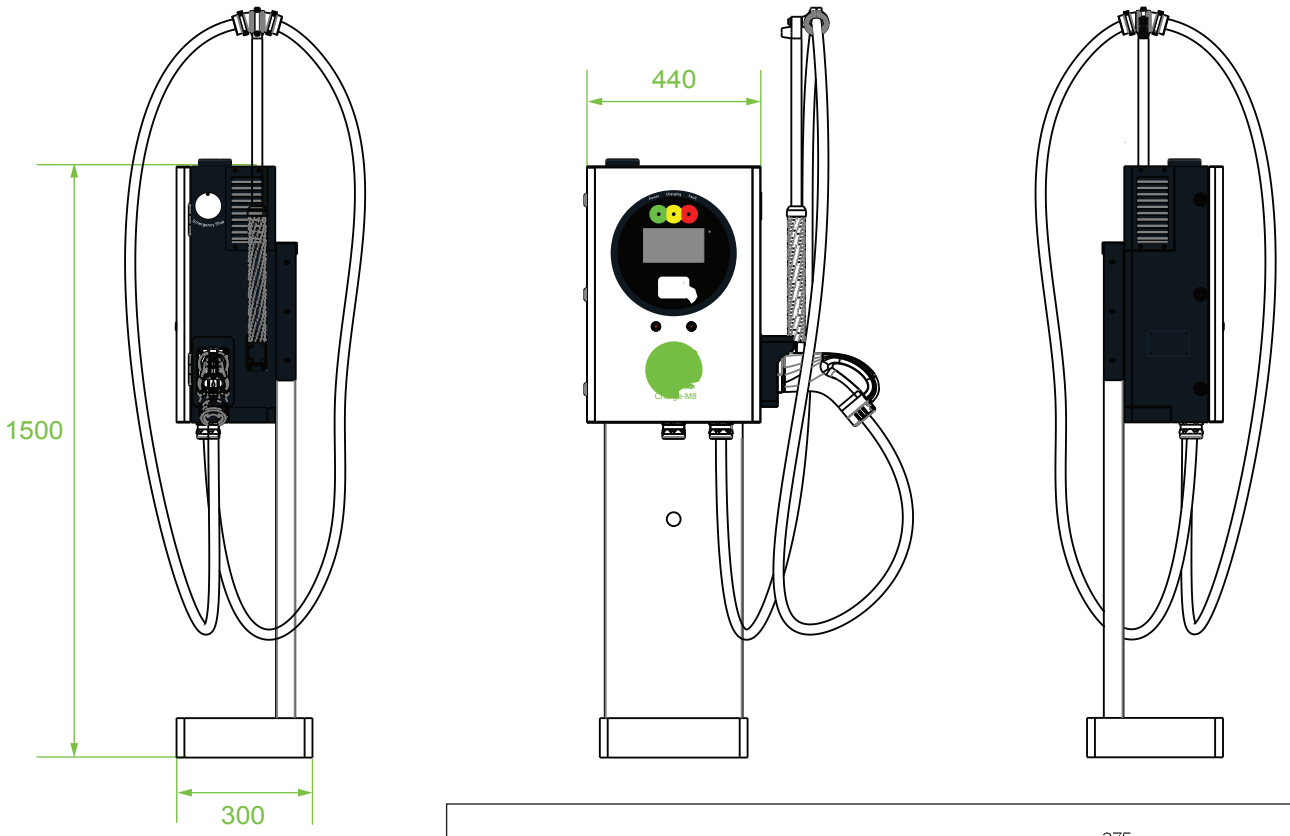
Product Features

- Omega chargers incorporate advanced soft-switching technology, delivering high conversion efficiency and stable performance, whilst their modular design allows for convenient operation and maintenance.
- The Omega core features include a signal indicator LED, touch screen user interface, RFID module (swipe card), metering module (electricity meter), OCPP control unit, power conversion module, charging controller, charging connector, emergency stop button, and multiple protection modules

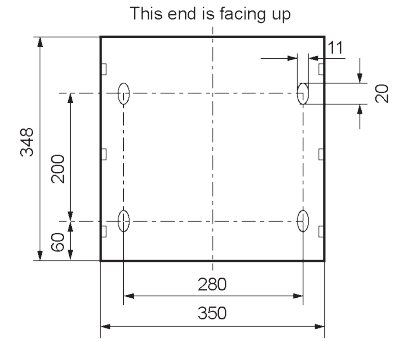
Internal Key Modules

- LED status indicator
- Touch screen user interface
- RFID card module
- Metering module
- Billing control unit
- Power conversion module
- Charging controller
- Charging connector
- Emergency stop button
- Protection module

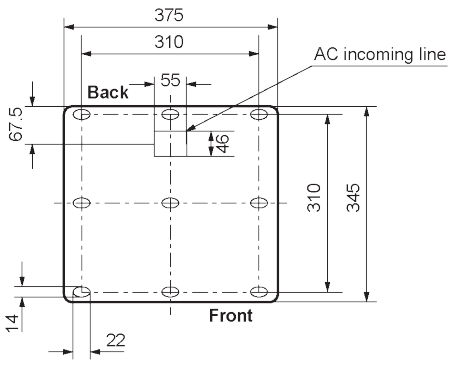
Charge-M8 Omega 30kW Dimension Drawing



Unit: mm



Installation Drawing of Wall Hanging Plate



Installation Drawing of Pedestal Stand

Technical Specifications

Power rating	30 kW
Input voltage	400 ±10 percent V AC
Output voltage	200 to 1000 V DC
Maximum output current	100 A
Peak efficiency	≥96 percent
Power factor	≥0.99
Protection level	IP55
Operating temperature	-30°C to +55°C

Compatibility

- CCS2 connector based on IEC 62196-3:2022
- Charging communication protocol DIN 70121 and ISO 15118
- Background communication protocol OCPP 1.6
- Electromagnetic compatibility IEC 61851-21-2
- Safety standards EN 61851-23 and EN 61851-1
- Cooling method forced air cooling

Product Warranty

Warranty Period

Charge-M8 provide a 3-year warranty against manufacturing defects from the date of purchase, conditional upon the installation and annual servicing requirements being compliant with the manufacturer's instructions and all applicable local regulations.

Warranty Conditions

Upon delivery the product packaging should be inspected for transit damage, and opened to check the product and accessories are both complete and in good condition. Claims for transit damage or missing parts will not be considered unless made within 3 working days of delivery, and supporting images/documentation provided.

Warranty Scope

The Charge-M8 Omega DC Charger range includes Bronze on-site parts & labour engineers support (10 day SLA) for the warranty period, which can be upgraded to Silver (5 day SLA) or Gold (48hr SLA) subject to application and payment of the applicable upgrade rate within 28 days of installation. Contact support for further information.

During the warranty period, Charge-M8 may replace or repair components or the whole unit at our discretion, based upon assessment by our appointed engineers. Warranty on replacement parts & components expire in line with the original warranty period.

Technical support can be obtained by contacting the customer team on sales@charge-m8.com or calling +44 333 242 3328

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