



EV Charging Solution

DC Charger / High Power Charger 350 kW

- Up to 500 A continuously and 350 kW output power with > 96% power conversion efficiency
- Space saving from distributed architecture
- Dynamically distribute the maximum power of 350 kW between the two vehicles
- OCPP and network connectivity for seamless system integration



Travel Faster with High Power Charger

The High Power Charger 350 kW delivers a new level of performance in ultra-fast EV charging, providing optimal efficiency to meet the growing demand for high-power charging. Ideally suited for highway rest stops, fuel stations, and fleet depots with 350 kW capacity, dynamic power distribution, and simultaneous charging for two CCS2 vehicles, providing up to 175 kW per plug from a single compact power cabinet.

Its distributed, space-saving architecture enables flexible installation without redesigning parking layouts, while >96% power conversion efficiency ensures reliable, high-performance charging. It also offers a user friendly design with LED status light visible from a distance, and a 15 inch display. The High Power Charger 350 kW helps EV drivers spend less time charging resulting in faster trip times.



Feature Highlights

Up to 96.5% power efficiency for demanding charging applications

- > 96% power conversion efficiency for demanding charging applications
- Simultaneous charging of two vehicles
- Supports CCS2 charging standards

Distributed space-saving architecture

- Distributed architecture enables to install charger without replanning parking spaces
- IP55 and IK10 protection level

OCPP and network connectivity for seamless system integration

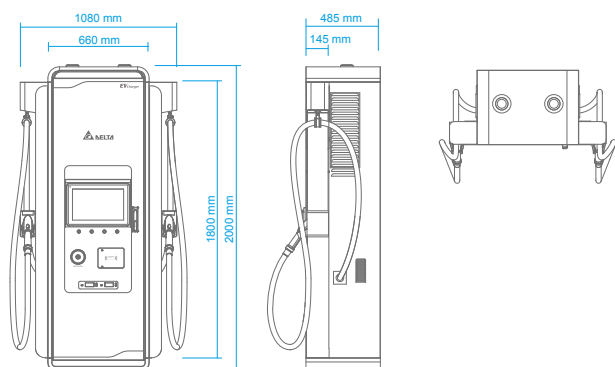
- Supports OCPP 1.6J (upgradeable to OCPP 2.0)
- Built-in Ethernet, cellular, and optional WLAN network connectivity
- Integrable with commercial and management systems for improved operational efficiency

Specifications - Dispenser

Model Name	High Power Charger 350 kW
Input	
DC Connection	DC+ / DC- (2 Terminals per pole)
AC Connection (Aux Power supply)	3-Phase (L1, L2, L3); Delta connection
AC Voltage	380-415 Vac
Frequency	50 / 60 Hz
Protection	SPD Class I + II, Type 2
Charging Output	
Total System Power	350 kW DC
DC Output Voltage Range	150 to 950 V DC
Output Interface	CCS2+CCS2 (Liquid cooled)
Protection	Over current, Under voltage, Over voltage, Surge protection, Short circuit, Over temperature, Ground fault
DC Charging Outlet	
Maximum Current	540A max. for single-output, 500A CCS2 for dual-output
Cable length	4.5 m
User Interface	
Display and Inputs	15-inch LCD touch panel (4 buttons on HMI)
Languages	English (Other languages available upon request)
Authentication	ISO/IEC 14443 A/B Mifare RFID reader, Nayax credit card reader (Optional)
Push Button	Emergency Power Off Button
Network Interface	
Connections	Cellular Modem, Ethernet
Connector Type	RJ45
Protocols and Applications	OCPP 1.6J
Mechanical Properties	
Ingress Protection	IP55 (according to IEC 60529)
Enclosure Protection	IK10 (according to IEC 62262) ; IK07 for HMI
Cooling	Forced air
Dimensions (W x H x D)	1080 × 2000 × 485 mm
Weight	320 kg
Cable Management System	Integrated weighted retractor
Environmental Conditions	
Operating Temperature Range	-30 °C to +50 °C (<5°C or > 45°C, derating)
Storage Temperature Range	-40 °C to +85 °C
Humidity	< 95% relative humidity, non-condensing
Altitude	Up to 2000 m
Compliance	
Safety	IEC 61851-1, IEC 61851-22, IEC 62479, IEC 61851-23
EMC	EN 55011, IEC 61851-21-2
Accessibility	DIN 18040
DC Energy Metering System	Europe: MID, France: LNE

* Dimension and weight excluding plug and connector. Specifications are subject to change without notice.

Dispenser Dimensions

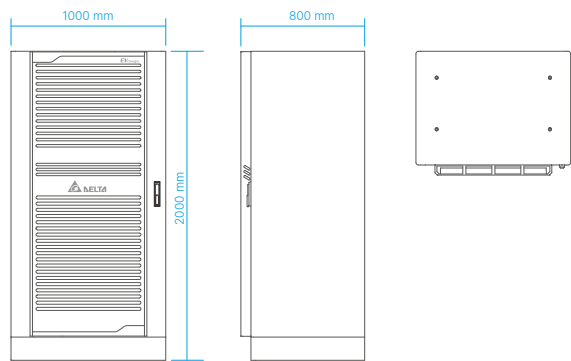


Specifications - Power Cabinet

Model Name	High Power Charger 350 kW
Input	
AC Connection	3-Phase (L1, L2, L3); Delta connection
AC Voltage	380-415 Vac
Frequency	50 / 60 Hz
Input Current	565 A
Power Factor	≥ 0.99
Harmonic Distortion (THDi)	≤ 5%
Protection	SPD Class II, Type 2
Output	
Total System Power	350 kW DC
DC Output Voltage Range	150 to 950 V DC
Output current	540 A max (total 2 sets: 1080A)
Efficiency	> 96% peak
Protection	
Protection	Over current, Under voltage, Over voltage, Residual current, Surge protection, Short circuit, Over temperature, Ground fault detection
Mechanical Properties	
Ingress Protection	IP55 (according to IEC 60529)
Enclosure Protection	IK10 (according to IEC 62262)
Cooling	Forced air
Dimensions (H x W x D)	1000 × 2000 × 800 mm
Weight	615 kg
Environmental Conditions	
Operating Temperature Range	-30 °C to + 50 °C (derating up to 60 °C)
Storage Temperature Range	-40 °C to + 85° C
Humidity	< 95% relative humidity, non-condensing
Altitude	Up to 2000 m
Noise emissions	62 dBA at 1m full power
Compliance	
Certification	CE, IEC 61851-1, IEC 61851-23

* It is measured under operation condition: full power output @25°C, 5 meter away

Power Cabinet Dimensions



More information

Delta Electronics (Netherlands) BV
Zandsteen 15, 2132 MZ Hoofddorp, The Netherlands
TEL : +31 20 655-0900
www.delta-emea.com



2025/11