



EV Charging Solution

DC Charger / High Power Charger 350kW

- Up to 500A and 350kW with 96.5% power conversion efficiency
- Space saving from distributed architecture
- Dynamic load distribution allows simultaneous charging of two cars, each at 350kW max
- OCPP and network connectivity for seamless system integration



Fast Charging
Corridors



Parking



Service
Station



Logistics
Fleet



Traffic
Hub



Traveling Fast with High Power Charger

The Delta High Power Charger 350kW offers the fastest charging time than any other charger. It is ideally suited for highway rest stops, traditional fuel stations, and fleet charging, with 350kW capacity, dynamic power distribution, and simultaneous charging of two vehicles at the time. High power efficiency and the ability to share power from a single

power cabinet to two dispensers reduce cost of owner-ship. It also offers a user friendly design with LED status light visible from a distance, and a 15 inch display. The Delta High Power charger 350kW helps EV drivers spend less time charging resulting in faster trip times.



Feature Highlights

Up to 96.5% power efficiency for optimal charging service

- Max. 950V and 500A in 350kW high power charging
- Simultaneous charging service
- Supports CCS1 charging standard.

Distributed architecture saves the space

- Distributed architecture enables to install charger without replanning parking spaces
- IP55 / NEMA3R ingress protection and IK10 enclosure protection

OCPP and network connectivity for seamless system integration

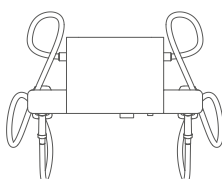
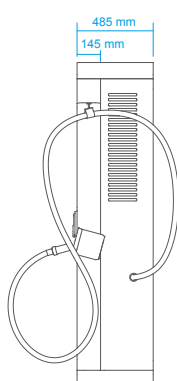
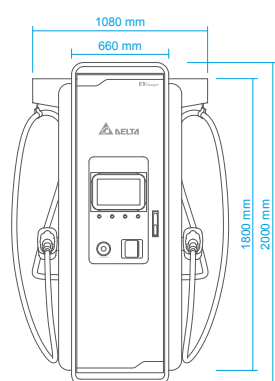
- Supports OCPP 1.6J (upgradeable to OCPP 2.0.1)
- Built-in Ethernet, cellular (router optional) for network connectivity
- Integrable with commercial and management systems for improved operational efficiency

Specifications - Dispenser

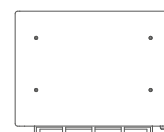
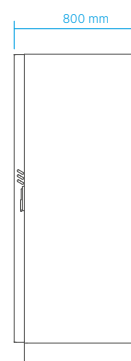
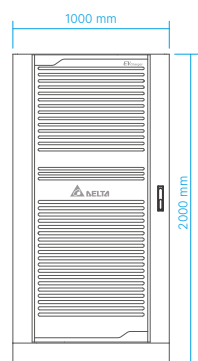
Part Number	Delta Dispenser: EIDD-U350TSUUAXX 、EVDD-UA354WBXXX
Power Input	
Input Rating	480V, 3-Phase, 50/60Hz
Input current	2.0A
Input breaker	6A breaker
Power Output	
Max Voltage rating	150-950 Vdc
Output Interface	CCS1+CCS1; NACS+NACS;CCS1+NACS
DC Output Current	max. 500A / 500A
Protection	
Protection	Over current, Under voltage, Over voltage, Residual current, Surge protection, Short circuit, Over temperature, Ground fault
User Interface & Control	
Display	15 inch LCD Panel
Support Language	English (Other languages available upon request)
Push Buttons	4 Buttons for HMI
User Authentication	ISO/IEC 14443A/B, NFC Payment: Integrated credit card reader
Charge option	Simultaneous charging with equal distribution charging
Communication	
Network Interface	Ethernet, Cellular (Option)
Protocol	OCPP v1.6J, upgradable to OCPP v2.0.1
Environmental	
Operating Temperature	Operating at 22°F to +122°F (-30°C to +50°C); De-rating: < -5°C or > +45°C
Storage Temperature	-40°F to +176°F (-40°C to +80°C)
Humidity	< 95% relative humidity, non-condensing
Altitude	6,500 ft. (2,000 m)
Mechanical	
Ingress Protection	IP55 / NEMA 3R
Enclosure Protection	IK10
Cooling	Forced air
Charging Cable Length	14.76 ft. (4.5m)
Dimension (W x H x D)	42.5× 78.7× 19.1inch (1080 × 2000× 485 mm)
Weight	706 lb (320 kg)
Regulation	
Certification	UL 2202, UL 2231
Installation	
Cable Management	Weight based retractor

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

Dispenser



Power Cabinet



Specifications - Power Cabinet

Part Number	Delta 350kW Power Cabinet: EIDN-U350KTC01
Power Input	
Rated AC Voltage	480 Vac Three phase (L1,L2,L3) , 60 Hz
Max Current	447 A
Max Power	369 kW
Power Factor	> 0.99
Current THD	< 5%
SCCR	65 kA
Power Output	
DC Voltage Range	150~950 Vdc
Max Current	Each set of terminal: 540A max, Total 2 sets: 1080A max
Max Power	350 kW
Efficiency	96.5% peak
Protection	
Protection	Over current, Under voltage, Over voltage, Surge protection, Short circuit, Over temperature
Input / Output	Input AC Breaker: 630A-3P / Output DC Relay: 750A x2
Environmental	
Operating Temperature	22°F to +122°F (-30°C to +50°C). Output Power is de-rated to 50% linearly (+50 to +60°C)
Storage Temperature	-40°F to -176°F (-40°C to +80°C)
Humidity	< 95% relative humidity, non-condensing
Altitude	6,500 ft. (2,000 m)
EMC	FCC Part 15-b Class A
Acoustic Noise	55 dBA *
Mechanical	
Ingress Protection	IP55 / NEMA 3R
Enclosure Protection	IK10
Cooling	Force Air
Dimension (W x H x D)	39.3 × 78.7 × 31.4 inch (1000 × 2000 × 800 mm)
Equipment Weight	1356 lb (615 kg)
Regulation	
Certification	UL 2202, UL2231

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

Specification - System

	Dispenser and 350kW Power Cabinet
System Configuration	1 Cabinet, 1 Dispenser
System Description	480V input voltage 350kW DC EVSE unit with dynamic power sharing capability between two liquid cooled CCS1 connectors with maxium 500A.
Standby Power	185W
Certifying Agency	cCSAus certified
Applicable Standards	UL 2202, UL 2231-1, UL 2231-2 SAE J1772, IEC 61851-1, IEC 61851-23, IEC 62196-3, IEC-62196-3-1, IEC 61000-6-3 EMC, Class B, FCC Part 15 Class A, SAE J2894-1 JAN 2019, (ISO 15118), DIN 70121, DIN 70122, SAE J1772, SAE J2953/2, CCS-1, CharIN compliance (upon availability), EV Cable: UL 2251, UL50E, CSA C22.2 No 182.2



More information

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