



EV Charging Solution

DC Charger / City Charger 100kW

- 50/100kW fast charging with $\geq 94\%$ efficiency
- All-weather outdoor design for high environmental adaptability
- Complete system integration for better charging services



Highway
Service



Parking



Service
Station



Commercial
Areas



Traffic
Hub



Speed up Urban Life with EV Fast Charging

Delta City Charger is an ideal solution for high efficiency urban charging service. It supports simultaneous charging output and load distribution to optimize utilization rate of the charging site. Delta City Charger is compatible to OCPP which allows further backend

system integration like user management, remote control and energy management.

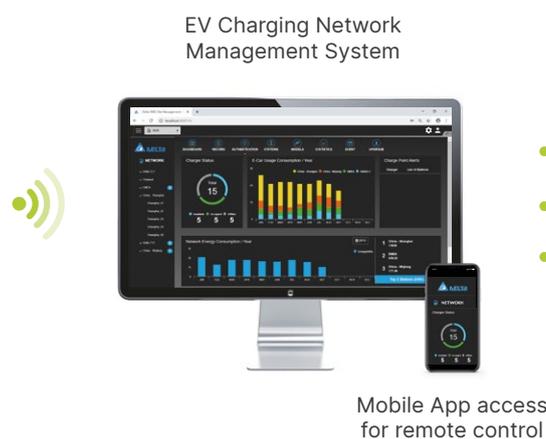


Application Scenario

Charging Network



Backend Office



Applications



Feature Highlights



50/100kW fast charging
with $\geq 94\%$ efficiency

- 50kW / 100kW simultaneous charging
- Dynamic load distribution optimizes charging service



All-weather outdoor design
for high environmental adaptability

- NEMA 3R and IK10 protection
- Forced air cooling
- Protection : over current, under voltage, over voltage, surge protection, short circuit, over temperature, ground fault



Complete system integration
for better charging services

- Support OCPP1.6-J, upgradeable to OCPP2.0
- Built-in Ethernet, Cellular (3G/4G) and WLAN connectivity

Product at a Glance

Network Connectivity
Ethernet, Cellular, WLAN

User Authentication
RFID reader, ISO 15118*

Charging Standard
CHAdeMO

Protection
IP55, IK10



Pluggable Power Module

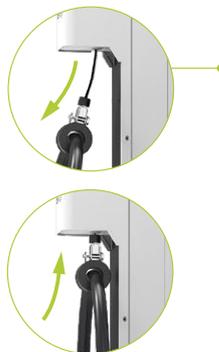
Cable Management

Balancing System for City Charger

A pair of balancing system stands is needed to manage the charging cables of dual-conductor models. The design utilizes the weight stacks, paracord, and pulleys to balance the pull force on the charging cable. It provides a better user experience by helping the users hold the cable, move the charging cable, and return the charging cable more easily. In addition, the mechanism holds the cable so that it will be well organized instead of lying on the ground.

On-side Installation

Front side Installation



Balancing system for helping
users hold and move charging cable easier.

Specifications

Part Number	EVHJ104-	EVHJ503-
Description	100 kW Dual Output DC Charger	50 kW Dual Output DC Charger
Power Input		
Input Rating	380-415Vac, 3-Phase, L1, L2, L3, N, PE, 50Hz / 60Hz	380-415Vac, 3-Phase, L1, L2, L3, N, PE, 50Hz / 60Hz 200-240Vac, 3-Phase L1, L2, L3, PE, 50 / 60 Hz
Power Factor	0.99 at nominal output	
Efficiency	94% at nominal output power	
Power Output		
Output Voltage	50 – 1000 Vdc	
Output Interface	CHAdeMO	
DC Output Current	200 A max.	125A max.
DC Output Power	100 kW max.	50kW max.
Protection		
Protection	Over current, Under voltage, Over voltage, Surge protection, Short circuit, Over temperature, Ground fault	
User Interface & Control		
Display	7 inch LCD Touch Panel	
Support Language	English (Other languages available upon request)	
Push Buttons	1 Emergency Stop Button	
Charge Options	Simultaneous charging and configurable dynamic load distribution (dual outputs)	
User Authentication	RFID reader	
Communication		
Network Interface	Ethernet, Cellular, WLAN	
Protocol	OCPP1.6-J, upgradable to OCPP2.0	
Environmental		
Operating Temperature	Operating from -30 °C to +50 °C (-22 °F to +122 °F), derating from +50 °C to +60 °C (+122 °F to 140°F)	
Storage Temperature	-40 °C to +80 °C (-40 °F to +176 °F)	
Humidity	< 95% relative humidity, non-condensing	
Altitude	2,000 m (6,500 ft.)	
Mechanical		
Ingress Protection	IP55	
Enclosure Protection	IK10 according to IEC 62262	
Cooling	Forced air	
Charging Cable Length	4 m (13 ft.) (standard) ; 7.5 m (25 ft.) (optional)	
Dimension (W x H x D)	800 × 1500 × 590 mm (31.5 × 59.1 × 23.2 inch)	
Weight**	350 kg (772 lb)	290 kg (640 lb)
Regulation		
Certificate	CHAdeMO	
Installation		
Accessory	Cable management	

* ISO 15118 in plan ** Dimension and weight including 4 m charging connectors, subject to variants. Product outlook depends on configuration. Specifications are subject to change without notice.

Item	Cable Management
Manageable cable length	4m
Placement	Front sides of charger, on-site installation
Dimension (W x D x H)	110 × 235 × 1502 mm, 29kg
Recoiler cable length	2 m with paracord inside
Internal counterweight	Depending on the weight of the charging cable



More information

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