



## EV CHARGING SOLUTION

### DC Charger / City Charger

#### Features

- 50kW / 100kW simultaneous charging
- Dynamic load distribution optimizes charging service
- RFID and ISO 15118\* user identification
- OCPP and network connectivity enables system integration
- Modular design ensures high availability
- IP55 and small footprint provides high adaptability
- 94% power efficiency for energy-saving



Highway  
Service



Parking



Service  
Station



Commercial  
Building



Fleet

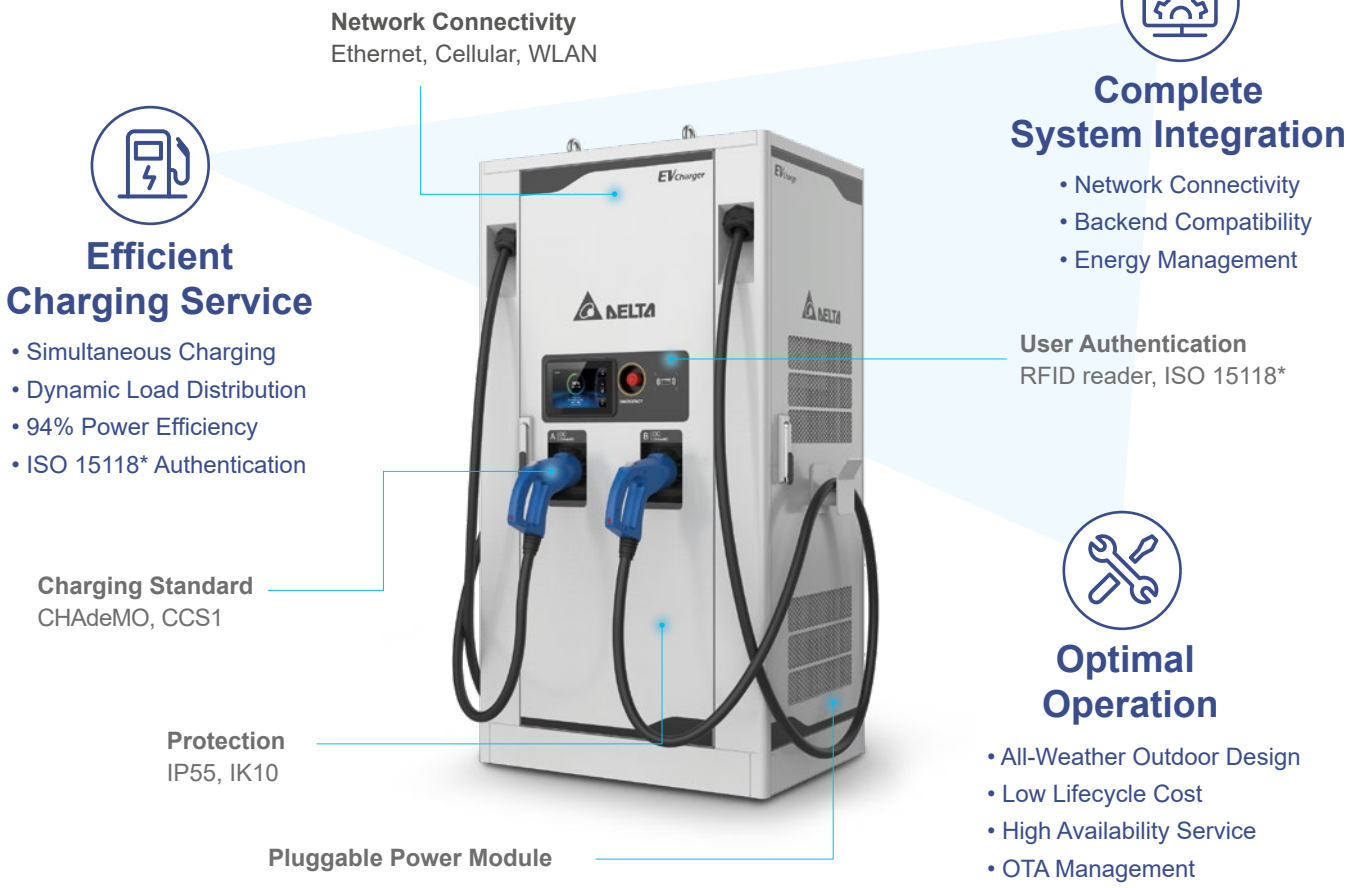


# Speed up Urban Life with EV Fast Charging

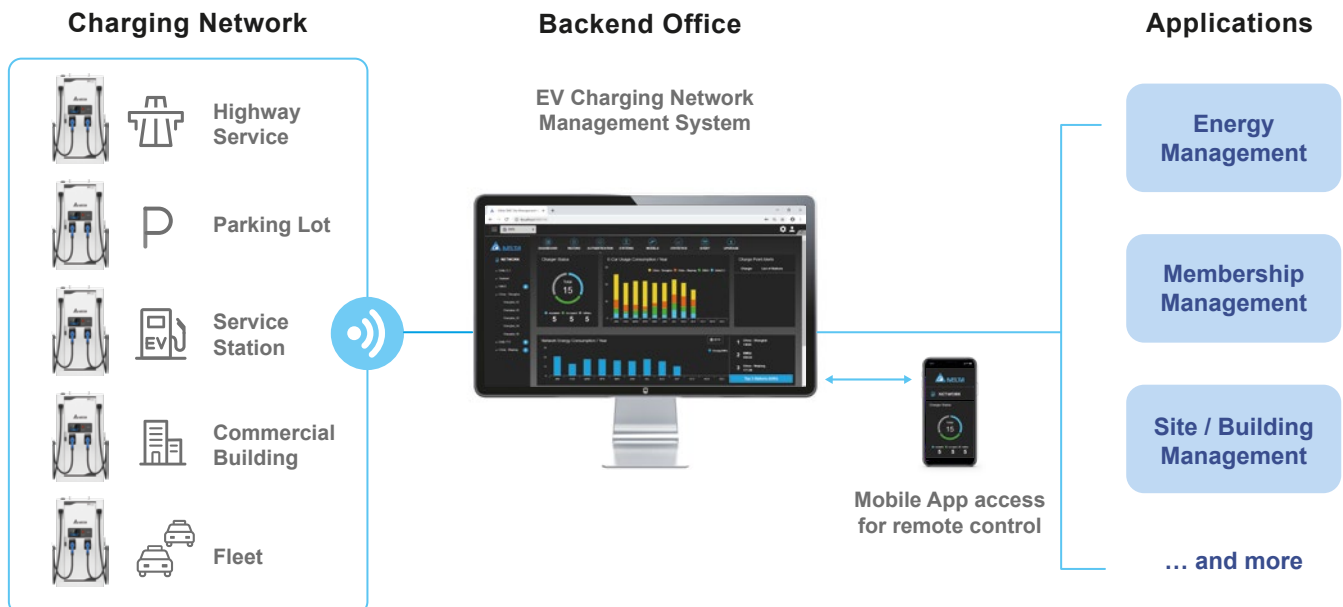
Delta City Charger is an ideal solution for high efficiency urban charging service. It supports simultaneous charging output and load distribution to optimize utilization rate of the charging site. Delta City Charger is compatible to OCPP which allows further backend system integration like user management, remote control and energy management.



## Feature Highlights



## Application Scenario



# Specifications

Part Number	EVHJ104-	EVHJ503-
Description	100 kW Dual Output DC Charger	50 kW Dual Output DC Charger
<b>Power Input</b>		
Input Rating	380-415Vac, 3-Phase, L1, L2, L3, N, PE, 50Hz / 60Hz	<ul style="list-style-type: none"> <li>• 380-415Vac, 3-Phase, L1, L2, L3, N, PE, 50Hz / 60Hz</li> <li>• 200-240Vac, 3-Phase L1, L2, L3, PE, 50 / 60 Hz</li> </ul>
Power Factor	0.99 at nominal output	
Efficiency	94% at nominal output power	
<b>Power Output</b>		
Output Voltage	50 – 1000 Vdc	
Output Interface	DC output options: CCS1, CHAdeMO	
DC Output Current	200 A max.	125A max.
DC Output Power	100 kW max.	50kW max.
<b>Protection</b>		
Protection	Over current, Under voltage, Over voltage, Surge protection, Short circuit, Over temperature, Ground fault	
<b>User Interface &amp; Control</b>		
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	
<b>Communication</b>		
Network Interface Protocol	Ethernet, Cellular, WLAN OCPP1.6-J, upgradable to OCPP2.0	
<b>Environmental</b>		
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.)	
<b>Mechanical</b>		
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 x 1500 x 590 mm (31.5 x 59.1 x 23.2 inch)	
Weight**	350 kg (772 lb)	290 kg (640 lb)
<b>Regulation</b>		
Certificate	CHAdeMO	
<b>Installation</b>		
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.

# Cable Management

## Balancing System for City Charger

A pair of balancing system stands is needed to manage the charging cables of dual-connector 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.

The cable management system is an optional offer and can be installed onsite. There are several cable management stand variants to fit different charging cable lengths, weights, and diameters.

## Specifications

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

## Cable Management

Front side Installation

On-side Installation



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



More information

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