EV CHARGING SOLUTION

DC Charger / DC City Charger

Features

- 50kW / 100kW simultaneous charging
- Dynamic load distribution optimizes charging service
- RFID, credit card 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

DELTA

Speed up Urban Life with EV Fast Charging

DC 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. DC City Charger is compatible to OCPP which allows further backend system integration like user management, remote control and energy management.

Feature Highlights

Efficient Charging Service

- Simultaneous Charging
- Dynamic Load Distribution
- 94% Power Efficiency
- ISO 15118* Authentication

Complete System Integration

- Network Connectivity
- Backend Compatibility
- Energy Management

Optimal Operation

- All-Weather Outdoor Design
- Low Lifecycle Cost
- High Availability Service
- OTA Management

Network Connectivity
Ethernet, Cellular, WLAN

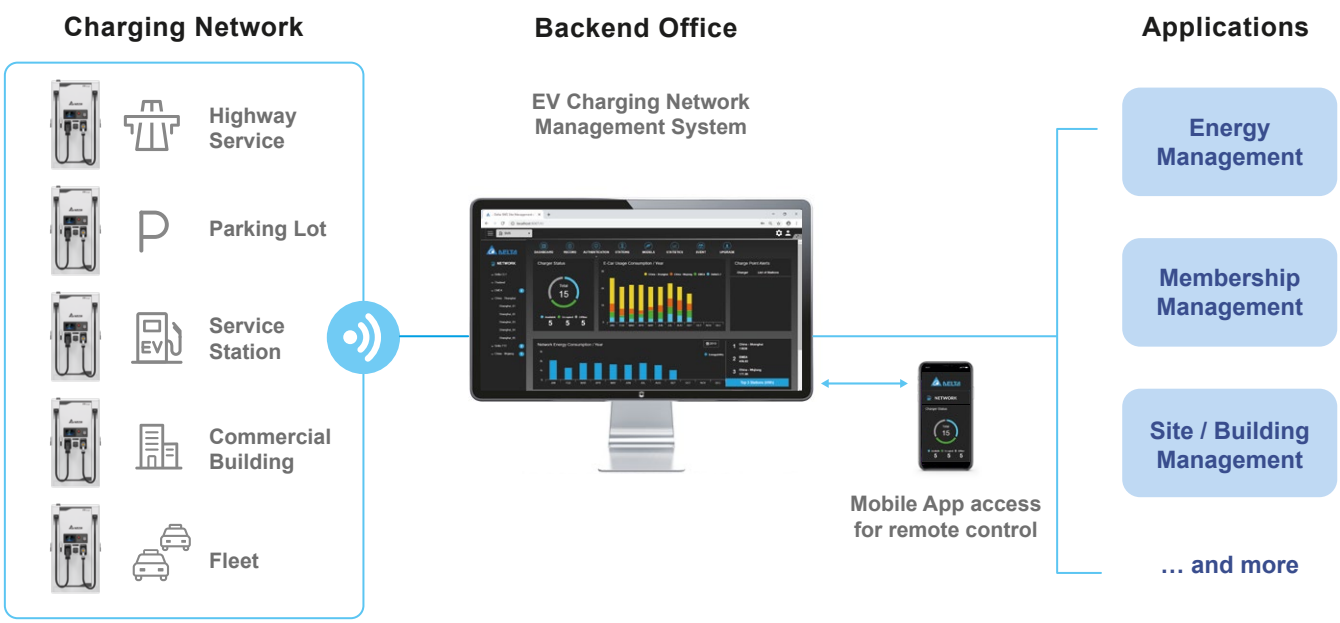
User Authentication
Credit card, RFID reader, ISO 15118*

Charging Standard
CHAdeMO, CCS1

Protection
NEMA 3R, IK10

Pluggable Power Module

Application Scenario



Specifications

Part Number	EVHU104-	EVHU503-
Description	100 kW Dual Output DC Charger	50 kW Dual Output DC Charger
Power Input		
Input Rating	480 Vac, 3-Phase, 50 / 60 Hz, L1, L2, L3, N, PE	• 200-240 Vac, 3-Phase, 50 / 60 Hz, L1, L2, L3, PE • 480 Vac, 3-Phase, 50 / 60 Hz, L1, L2, L3, N, PE
Power Factor	0.99 at nominal output	
Efficiency	94% at nominal output power	
Power Output		
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.
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	ISO / IEC 14443 A / B Mifare RFID reader, Credit card reader	
Communication		
Network Interface	Ethernet, Cellular, WLAN	
Protocol	OCPP1.6-J, upgradable to OCPP2.0	
Environmental		
Operating Temperature	Operating from -22 ºF to +122 ºF (-30 ºC to +50 ºC), derating from +122 ºF to 140ºF (+50 ºC to +60 ºC)	
Storage Temperature	-40 ºF to +176 ºF (-40 ºC to +80 ºC)	
Humidity	< 95% relative humidity, non-condensing	
Altitude	6,500 ft. (2,000m)	
Mechanical		
Ingress Protection	Type 3R	
Enclosure Protection	IK10 according to IEC 62262	
Cooling	Forced air	
Charging Cable Length	13 ft. (4 m) (standard) ; 19 ft. (6 m) (optional) ; 25 ft. (7.5 m) (optional)	
Dimension (W x H x D)	31.5 x 59.1 x 23.2 inch (800 x 1500 x 590 mm)	
Weight**	772 lb (350 kg)	640 lb (290 kg)
Regulation		
Certificate	UL2202, UL 2231 CSA C22.2#107.1:2016 Ed.4, CSA C22.2#281.2 Issued: 2012/09/07 Ed:1	
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.

Smarter. Greener. Together.

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More information

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