

DC Charger



Charging Output
50 / 100 kW

Connector Type
**CCS 1, CCS 2
CHAdeMO**

Mechanical Protection
IP55, NEMA 3R / IK10

Network Connectivity
**Ethernet, Cellular
WLAN**



Fast Charging
Corridors



Parking



Service
Station



Traffic
Hub



Logistics
Fleet

City Charger 100kW

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



Part Number	EVHU104	EVHJ104	EVHT104
Description	100 kW Dual Output DC Charger		
Power Input			
Input Rating	480 Vac, 3-Phase, 50 / 60 Hz, L1, L2, L3, N, PE	380 - 415 Vac, 3-Phase, L1, L2, L3, N, PE, 50Hz / 60Hz	380 - 415 Vac, 3-Phase, 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	CCS1, CHAdeMO	CHAdeMO	CCS1+CCS1, CCS1+CCS2, CCS2+CCS2
DC Output Current	200 A max.		
DC Output Power	100 kW 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)	Traditional Chinese, English	
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	RFID reader	ISO / IEC 14443 A / B Mifare RFID reader
Communication			
Network Interface	Ethernet, Cellular, WLAN		
Protocol	OCPP v1.6-J, upgradable to OCPP v2.0.1*, Autocharge, ISO 15118 PnC*		
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	NEMA 3R	IP55	
Enclosure Protection	IK10 according to IEC 62262		
Cooling	Forced air		
Charging Cable Length	4 m (13 ft) (standard) ; 6 m (19 ft) (optional) ; 7 m (23 ft) (optional)	4 m (13 ft) (standard) ; 7 m (23 ft) (optional)	
Dimension (W x H x D)**	800 × 1500 × 590 mm (31.5 × 59.1 × 23.2 inch)		
Weight**	350 kg (772 lb)		
Regulation			
Certificate	UL2202, UL 2231 CSA C22.2#1071:2016 Ed.4, CSA C22.2#281.2 Issued: 2012/09/07 Ed:1	CHAdeMO	BSMI VPC
Installation			
Accessory	Cable management		

* Under development

** Dimension and weight including 4 m charging connectors, subject to variants. Product outlook depends on configuration.

Part Number	EVHU503	EVHU503
Description	50 kW Dual Output DC Charger	
Power Input		
Input Rating	208 Vac, 3-Phase, 50 / 60 Hz, L1, L2, L3, PE 480 Vac, 3-Phase, 50 / 60 Hz, L1, L2, L3, N, PE	380-415 Vac, 3-Phase, L1, L2, L3, N, PE, 50Hz / 60 Hz 200-240 Vac, 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	CCS1, CHAdeMO	CHAdeMO
DC Output Current	125 A max.	
DC Output Power	50 kW 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	RFID reader
Communication		
Network Interface	Ethernet, Cellular, WLAN	
Protocol	OCPP v1.6-J, upgradable to OCPP v2.0.1*, Autocharge, ISO 15118 PnC*	
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	2,000m (6,500 ft)	
Mechanical		
Ingress Protection	NEMA 3R	IP55
Enclosure Protection	IK10 according to IEC 62262	
Cooling	Forced air	
Charging Cable Length	4 m (13 ft) (standard) ; 6 m (19 ft) (optional) ; 7 m (23 ft) (optional)	4 m (13 ft) (standard) ; 7 m (23 ft) (optional)
Dimension (W x H x D)**	800 × 1500 × 590 mm (31.5 × 59.1 × 23.2 inch)	
Weight**	290 kg (640 lb)	
Regulation		
Certificate	UL2202, UL 2231 CSA C22.2#1071:2016 Ed.4, CSA C22.2#281.2 Issued: 2012/09/07 Ed:1	CHAdeMO
Installation		
Accessory	Cable management	

* Under development

** Dimension and weight including 4 m charging connectors, subject to variants. Product outlook depends on configuration.