

Preliminary



EV Charging Solution

DC Charger/DC Wallbox 50kW-Smart Version

Features

- 50kW DC dual output
- Simultaneous charging shortens charging time
- Credit card payment terminal for charge-to-go customers
- Compact and wall-mount installation saves space at charging sites
- $\geq 96\%$ power efficiency for energy conservation
- OCPP and network connectivity realize seamless system integration



Parking
Space



Commercial
Building



Fleet



Flexible, Smart and Efficient in Operation

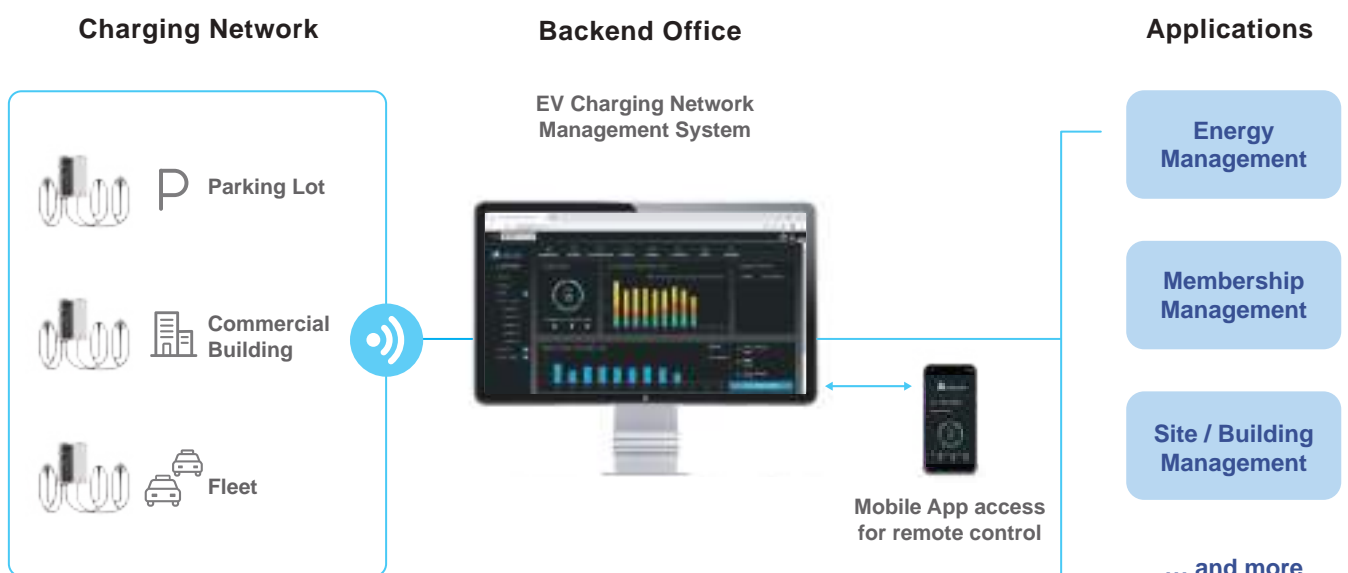
DC Wallbox 50kW provides high-efficiency charging services at commercial sites. Its small footprint and wall-mount design help site owners better organize site deployment. With dual charging connectors, charging station turnover can be improved. Additionally, DC Wallbox 50kW is OCPP-compatible, allowing backend integration for capabilities such as user identification, remote monitoring, and system control.



Feature Highlights



Application Scenario



Specifications

Part Number	EIDW-E50KTS
Description	50kW DC wallbox charger with network connectivity
Power Input	
Input Rating	400 Vac, 3-Phase, L1, L2, L3, N, PE
Power Factor	0.99
Efficiency	$\geq 96\%$ at nominal output
Power Output	
DC Output Interface	CCS2, CHAdeMO
DC Output Voltage	150 - 950Vdc
DC Output Current	125A
AC Output Interface	AC Type 2 Tethered Plug
AC Output	400Vac, 3P, 32A at 22kW
Protection	
Protection	Over current, Under voltage, Over voltage, Surge protection, Short circuit, Over temperature, Ground fault
User Interface	
Network Interface	Ethernet, Cellular 2.5 G / 3 G / 4 G
Protocol	Back-end system integration with OCPP 1.5 and 1.6 tested with OCTT Separate service interface and optional power/energy management interface
Authentication	ISO / IEC 14443 A / B RFID, Credit card reader (Optional)
Display	7 inch button assisted LCD panel
Supported Language	English (Up to 4 additional languages available on request)
Button	Emergency button
Environmental	
Operating Temperature	Operating from -25 °C to +50 °C
Storage Temperature	-40 °C to +80 °C
Humidity	< 95% relative humidity, non-condensing
Altitude	2,000 m
Mechanical	
Ingress Protection	IP 55
Enclosure Protection	IK10 according to IEC 62262
Cooling	Forced air
Dimension (W x H x D)	900 x 650 x 250 mm
Weight *	102 kg
Cable length	4 m
Regulation	
Certificate	CE
Accessory	
Installation	Wall-mounted, Pedestal (Optional)

* Dimension and weight excluding charging connectors, subject to variants.
Product outlook depends on configuration. Specifications are subject to change without notice.



More information

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