

Wallbox DC Charger

The new generation of low-power DC charging piles are designed to be more compact Equipped with smart grid, load balancing, and remote monitoring functions, with ultra wide output of 150~1000V constant power, high current, high efficiency of 97%, low noise and other characteristics, which can reduce charging time. They are widely used in various charging scenarios such as factory areas, logistics parks, sanitation, airports, residential areas, supermarkets, etc.



Minimalistic

- Large tempered glass screen, customizable
- Compact, slimline enclosure
- Small installation space, simple and convenient
- Compatible with 20kW~30kW

Intelligent

- Ethernet/4G
- OCPP 1.6 Json
- Dynamic load balancing
- Meet the OTA remote upgrade function

Select

- App operation and RFID
- Wall-mount/Floor stand installation
- Optional CCS1/CCS2/CHAdMO/GBT Charging interface standards

Safety Protection

- 9 safety protection measures
- IP55 ingress protection(body)
- Modular design, easy to repair and replace
- Emergency stop switch, improving the safety



Specifications



MODEL		EMDC 20W	EMDC 30W
Input Characteristic			
AC Input Power		40A, 400V	60A, 400V
Input type		3P + N + PE	
Input Voltage Range		AC380V~400V	
Input Frequency		50Hz /60Hz	
THD		≤5%	
Ouput Characteristic			
DC Output Power Rating (MAX)		20kW	30kW
DC Output Voltage		200-1000VDC	
Cable Length		5M or Customized	
Maximum Current	CCS Cables	80A	80A
	CHAdEMO Cables	80A	100A
	GBT cables	80A	100A
Outlet Options		C: CCS2 cable , A: CCS1 cable , J: CHAdEMO cable , G: GBT cable	
Others			
Distribution Systems		TN-S, TN-C, TN-C-S, TT (required external RCD)	
Connector Type		3P + N + PE	
Protection		Overcurrent, overvoltage, undervoltage, integrated surge protection, ground fault including DC leakage protection, door opening protection	
Power Factor (Full Load)		≥ 0.99	
Standby Power		≤ 5%	
Efficiency		95.5% (peak)	
Standby Power		<9W	
Short Circuit Current		10kA	
Pre-charge Current		<1A	
Leakage Current		0.8mA	
Energy Metering		Standard: Meter for DC outlet, Optional: AC inlet	
Cellular Communication		GSM, 4G, LTE	
USER INTERFACE			
Connectivity		Internet access via 4G/3G/Ethernet (RJ45)	
User Authentication		RFID, QR code	
User Interface		7 inch LCD high-contrast touchscreen	
Communiation Protocols		Proprietary and OCPP 1.6J	
RFID Reader		ISO/IEC 14443 A/B Mifare RFID reader	
Emergency Button		Yes	
Language System		English or Customized	
GENERAL CHARACTERISTIC			
Protection Rating		IP55 and IK10 (cabinet) / IK08 (touchscreen)	
Operating Altitude		≤ 2000m	
Operating Temperature		- 20 °C to 55 °C	
Storage Temperature		-40 °C to 70 °C	
Humidity		< 95%, non-condensing	
Mounting		Wall-mount or pedestal stand	
Dimensions (mm)		640*225*480mm	
Net Weight (kg)		≤45kg	
COMPLIANCE STANDARDS			
Codes & Standards		IEC 61851-21-2, IEC 61000, IEC/EN 61851-1, IEC 61851-23, IEC 61851-24, IEC 62196-1, IEC 62196-3, GBT18487, GBT20234, NB/T 33008.1, NB/T 33001	
Communication to the EV		DIN 70121, ISO/IEC 15118, GBT27930, GBT 34657, GBT 34658	

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