

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.



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Minimalistic

- Large tempered glass screen, customizable
- Compact, slimline enclosure
- Small installation space, simple and convenient
- Compatible with 30kW~40kW

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/CHAdeMO/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		EMDC30WS	EMDC40WS
Input Characteristic			
AC Input Power		60A, 400V	80A, 400V
Input type		3P + N + PE	
Input Voltage Range		AC380V~400V	
Input Frequency		50Hz /60Hz	
THD		≤5%	
Ouput Characteristic			
DC Output Power Rating (MAX)		30kW	40kW
DC Output Voltage		200-1000VDC	
Cable Length		5M or Customized	
Maximum Current	CCS Cables	80A	125A
	CHAdEMO Cables	100A	100A
	GBT cables	100A	150A
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, Chinese 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)		263*410*660mm	
Net Weight (kg)		≤48kg	
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	