



## EM40M4-WD



### Introduction

The EM40M4-WD Fast Charger is the top choice to power battery electric vehicles (BEV) and plug-in electric vehicles (PHEV). It is designed for quick charging in both public and private locations, such as retail and commercial parking spaces, fleet charging stations, highway service areas, workplace, residence, etc.

The EM40M4-WD Fast Charger has the advantage of easy installation. The wall-mounted design and plug-in power modules realize flexible and cost-effective installation for different types of locations. The DC Charger also has network communication capability. It is able to connect with remote network systems and provide drivers of electric cars real-time information, such as the location of charging stations, charging progress and billing information. The Wall Mount DC Fast Charger has a clear user interface with function buttons, safety certifications and an excellent waterproof and dust proof design to provide the best choice for outdoor environments.

### Product Features

- ◆ CCS2 / CHAdeMO Global EV Charging standard support.
- ◆ Wall-Mounted design and plug-in power modules make installation easy and flexible.
- ◆ Offers customers the convenience of start/stop charging control from an authorized RFID smart card.
- ◆ Built on latest industry standards for DC charging.
- ◆ Carries an outdoor rating capable of withstanding solid and liquid intrusions in outdoor settings making the unit more stable and highly reliable.
- ◆ Provides a high-contrast, screen interface with multi-function buttons.

### Specification

	Model:	EM40M4-WD
Input parameters	AC Frequency	45-65Hz
	AC Voltage	3-phases+PE+N 400Vac
	Power Factor	>0.98(50%~100% load)
	Total harmonic current	iTHD <5%
Output parameters	DC Voltage accuracy	<±10%
	Output DC voltage range	CCS:200~1000V & CHAdeMO:150~500V
	Max DC output current	125A
	Max DC output power	20kW*2/40kW
	Max system efficiency	>95% ( Rated input and output )
Working environment	Ambient temperature	-30 ~ +60°C , will derating from 50°C or above
	Storage temperature	-40 ~ +75°C
	Working humidity	5 ~ 95% without condensation
	Working altitude	< 2000 m, No Derating
Standard	Communication Protocol	DIN 70121:2012/ISO15118-2: 2013
	EV vs Charger	CHAdeMO V1.2, PLC (DIN 70121:2012/ISO15118-2: 2013)
	EMC/Safety	IEC61851-1, IEC61851-23, EMI/EMC:IEC61851-21-2
	Protection Class	IP54/IK10(except LCD Screen)
Functional Interfaces	HMI	Tempered glass protective 7" Touch Screen LCD , RFID , Power(G) /Alarm(R) /3*Charging(Y) panel LED
	Metering	2 DC energy meter
	Monitor interface	OCPP 1.6J, LAN 10M/100M and optional inner LTE wireless modem support
	Charging Mode	Plug & Charge, RFID Card(IC Card), QR Code Charging
	Power Distribution Mode	Smart Charging
Mechanical	Cable Length	Standard: 5m; Option: 6~10m
	Dimension	900 * 650 * 260 mm
	Weight	130-160KGS
Charging Protection	Over/under voltage protection, overload protection, short circuit protection, over temperature protection, grounding protection, surge protection	
Configuration	Charger module configuration	2 charger power module slots
	Charging connector configuration	2 CCS2 /1 CCS2+1 CHAdeMO /2 CHAdeMO
	Charging connector capacity	125A/1000V for CCS, 125A/500V for CHAdeMO

\*Optional