MF DC Charging Station

60kW/120kW DC (22kW AC Optional)

MF stand-alone DC charging station, maximum 120kW DC output for quick and flexible charging.
LIVOLTEK stand-alone fast charging station integrated with two DC output and one optionl AC output, can be flexible configure with CCS, CHAdeMO, GB/T plugs and AC connectors. It has intelligent cable management system for effortless pick-up. It complies with all IEC standards for off-board electric vehicle charging systems, including IEC 61851-21-2 EMC requirement and IEC 61851-24 digital communication control.

Connector

CHAdeMO   Type2 AC   CCS2

Features

- Future-proof design via open standards, OCPP 1.6J support remote update to OCPP2.0.1 protocol.

- CE, UKCA and RoHS certification, suitable for all European countries need

- Multi Outlet Compliance with CCS2, CHAdeMO, Type2 socket & connector.

- Interaction via 10''color touch display

- Multi User Authorization with RFID, APP, customized NFC payment

- Load management & real-time demand response ready with Livoltek EV Charging Control Hub

- Integrated retractable cable management system

- MID Compliance Meter

Specifications

Model	MF 60	MF 120
Product Name	Fast Charge Station	
Input/Output Data		
Rated Power	DC 60kW/120kW + AC 22kW Optional	
AC Connection	3P+N+PE	
AC Input Voltage	400 Vac ± 10%	
AC Input MaxCurrent.	116A, 148A with optional AC	232 A, 264A with optional AC
Rated Frequency	50/60Hz	
Power Factor	≥0.99 at norminal load	
THD	≤5%（50%～100% load）	
Output Voltage Range	150~1000Vdc	
Output Constant Power	300~1000Vdc	
Output Current	Plug A(Optional) : CCS2 200A or 150A; Plug B: CCS 200A / CHAdeMO 125A Plug C (Optional):Type2 AC 32A	Plug A (Optional): CCS2 250A or 200A; Plug B: CCS 200A or 250A / CHAdeMO 125A Plug C (Optional):Type2 AC 32A
Output Efficiency	≥95%（20~100% Load）	
Basic Features		
Environment of use	Indoor / Outdoor	
User Authorization	RFID (ISO 14443 A/B), APP, Contactless NFC Customized	
Working Noise	≤ 65dB （Nominal Load, measured at 1m from the front of the charger）	
Operating Temperature	-25℃～+55℃	
Storage Temperature	-30℃～+70℃	
Working Humidity	5%～95% RH	
Working Altitude	≤2000m	
IP / IK Degree	IP54 / IK10	
Cooling	Force Fan Cooling	
Dimension(W*H*D)	910*1750*575 mm	
Energy Management	Support	
Net Weight / Gross Weight	≤ 230 / 300kg	
Standby Power Consumption	≤ 70 W	
Length of Charging Cable	5m with cable management system (7m with super cable management system Optional)	
Standard Warranty	2 years, extend + 1 year / + 2 years	
Other Features		
Firmware Upgrade	Local (USB) / OTA	
Connectivity	4G / Ethernet	
External Communication	RS485 / RS232 / CAN	
Communication Protocol	OCPP 1.6J, support update to OCPP 2.0.1	
User Interface	10.1'' Touch Screen；Charging LED Indicators	
Protection		
Multiple Protection	Overvoltage Protection, Undervoltage Protection, Overcurrent Protection, Over Temperature Protection, Grounding Protection, Surge Protection, Short Circuit Protection, Fault Self-check, In sulation Detection and Other Multiple Protection Functions.	
Leakage Current Protection	Type B RCBO for AC Type A RCD for DC	
Standards		
Safety	IEC 61851-1, IEC-61851-23, IEC 61851-21-2, IEC 62196-2/3	
EMC	IEC 61851-21-2 Class B	
Communication	IEC 61851-24, DIN 70121, ISO/IEC 15118	

CE UK CA RoHS MID OCPP