

MOTIONFAST 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.

- CHAdEMO
- Type2 AC
- CCS2

Product Benefits

- 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



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CHARGING STATION

Model	MF 60	MF 120
Product Name	MotionFast 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 nominal 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	
Standard Warranty	(7m with super cable management system Optional)	
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	
Other Features		
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	