

LIVOLTEK

MOTION SUPER FAST DC CHARGING STATION

STANDALONE

Motion Super Fast DC charging station, maximum 480kW output for quick and flexible charging.

LIVOLTEK Motion Super Fast DC charging station integrated with four DC output, can be flexible configure with CCS2 plugs. CCS1 plugs and GB/T plugs.

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.



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 IEC 61851

Interaction via 15.6" 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

400A for natural cooling, 500A for boost mode

Compact footprint, high space utilization, 850*850*2050mm

Four connector design, capable of covering 4 parking spaces simultaneously

Can be used in combination with maximum two dispenser



MOTION SUPER FAST DC CHARGING STATION

CHARGING

Model	MS-480-I1, MS-480-K1, MS-480-L1
Product Name	Motion Super Fast DC Charging Station
Input/Output Data	
Rated Power	480kW
AC Connection	3P+N+PE
AC Input Voltage	400 Vac ± 15%
AC Input MaxCurrent	722A
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	Air-cooled, 400A
Peak Efficiency	≥96.5%
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	-35° C ~ +55° C
Storage Temperature	-35° C ~ +70° C
Working Humidity	5% ~ 95% RH
Working Altitude	≤3000m
IP / IK Degree	IP55 / IK10
Cooling	Force Fan Cooling
Dimension(W*H*D)	850*2050*850 mm (Version with a top cover)
Energy Management	Support
Net Weight / Gross Weight	≤ 700kg
Standby Power Consumption	≤ 30 W/Connector
Length of Charging Cable	5m
Standard Warranty	2 years, extend + 1 year / + 2 years
Other Features	
Firmware Upgrade	Local (USB) / OTA
Connectivity	4G / Ethernet/Wifi
External Communication	RS485 / RS232 / CAN
Communication Protocol	OCPP 1.6J, support update to OCPP 2.0.1
User Interface	15.6" 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, Insulation Detection
Leakage Current Protection	Type A RCD
Standards	
Safety	IEC 61851-1, IEC-61851-23,
EMC	IEC 61851-21-2 Class B
Communication	IEC 61851-24, DIN 70121, ISO/IEC15118

CE UK RoHS MID



MOTION SUPER FAST
DC CHARGING STATION

POWER CABINET

Motion Super Fast DC charging station, maximum 480kW output for quick and flexible charging.

LIVOLTEK Motion Super Fast DC charging station supports parallel operation and can handle a maximum of 1.44MW.Each cabinet has the maximum capacity to connect 4 dispenser (8 connectors).

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.

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 IEC 61851

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

Compact footprint, high space utilization,850*850*2050mm

Low environment noise, 65dba for Silent Mode

Each cabinet has the maximum capacity to connect 4 dispenser (8 connectors)

Supports parallel operation, with a maximum support capacity of 1.44MW



MOTION SUPER FAST DC CHARGING STATION

CHARGING

Model	MS-480-I1, MS-480-K1, MS-480-L1
Product Name	Motion Super Fast DC Charging Station
Input Data	
Rated Power	480kW
AC Connection	3P+N+PE
AC Input Voltage	400 Vac ± 15%
AC Input MaxCurrent	722A
Rated Frequency	50/60Hz
Power Factor	≥0.99 at nominal load
Basic Features	
Environment of use	Indoor / Outdoor
Working Noise	≤ 65dB (Nominal Load, measured at 1m from the front of the charger)
Operating Temperature	-35° C ~ +55° C
Storage Temperature	-35° C ~ +70° C
Working Humidity	5% – 95% RH
Working Altitude	≤3000m
IP / IK Degree	IP55 / IK10
Cooling	Force Fan Cooling
Dimension(W*H*D)	850*2050*850 mm(Version with a top cover)
Energy Management	Support
Net Weight / GrossWeight	≤ 700kg
Standby Power Consumption	≤ 50 W
Standard Warranty	2 years, extend + 1 year / + 2 years
Other Features	
Firmware Upgrade	Local (USB) / OTA
Connectivity	4G / Ethernet/Wifi
External Communication	RS485 / RS232 / CAN
Communication Protocol	OCPP 1.6J, support update to OCPP 2.0.1
User Interface	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, Insulation Detection
Leakage Current Protection	TypeA RCD
Standards	
Safety	IEC 61851-1, IEC-61851-23,
EMC	IEC 61851-21-2 ClassB
Communication	IEC 61851-24, DIN 70121, ISO/IEC15118

MOTION SUPER FAST DC CHARGING STATION

DISPENSER

LIVOLTEK Motion Super Fast DC charging station integrated with two DC output, can be flexible configure with CCS2 plugs, CCS1 plugs and GB/T plugs.

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.



Product Benefits

Future-proof design via open standards, OCPP 1.6J support remote update to OCPP 2.0.1 protocol.

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

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

400A for natural cooling, 500A for boost mode

500A for liquid cooling, boost mode for 650A

Compact footprint, high space utilization, 450*300*1600mm

Low environment noise, 50 dbA for natural cooling dispenser, 55 dbA for liquid cooling dispense



MOTION SUPER FAST DC CHARGING STATION

CHARGING

Model	MS-000-K1, MS-000-I1, MS-000-L1		
Product Name	Motion Super Fast DC Charging Station		
Output Data			
THD	≤5% (50% – 100% load)		
Output Voltage Range	150~1000Vdc		
Output Constant Power	300~1000Vdc		
Output Current	Liquid-cooled, 500A Air-cooled, 400A		
Peak Efficiency	≥95%		
Basic Features			
Environment of use	Indoor / Outdoor		
User Authorization	RFID (ISO 14443 A/B), APP, Contactless NFC Customized		
Operating Temperature	-35° C ~ +55° C		
Storage Temperature	-35° C ~ +70° C		
Working Humidity	5% – 95% RH		
Working Altitude	≤3000m		
IP / IK Degree	IP55 / IK10		
Cooling	Air Cooling		
Dimension(W*H*D)	450*1600*300mm (Version with a top cover)		
Energy Management	Support		
Net Weight / Gross Weight	≤80 kg		
Standby Power Consumption	≤ 30 W/Connector		
Length of Charging Cable	5m		
Standard Warranty	2 years, extend + 1 year / + 2 years		
Other Features			
Firmware Upgrade	Local (USB) / OTA		
Connectivity	4G / Ethernet/Wifi		
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,		
Leakage Current Protection	Grounding Protection, Surge Protection, Short Circuit Protection, Fault Self-check, Insulation Detection		
	TypeA RCD		
Standards			
Safety	IEC 61851-1, IEC-61851-23,		
EMC	IEC 61851-21-2 ClassB		
Communication	IEC 61851-24, DIN 70121, ISO/IEC15118		