

Motion Compact DC Wallbox

MC 30/40/60 kW

LIVOLTEK Motion Compact Series DC Wallbox (MC series) is easy to install with compact design, provides a larger and more constant charging current than AC wallbox. More universal, more efficient, adding to client's loyalty with EV charging for your business.



Product Benefits

- Compact DC wallbox design, easy to install, less space requirement .
- Connect any backend based on OCPP 1.6J
- Pedestal & wall mounted selestable
- Charging cable management system selectable
- POS terminal selectable

Motion Compact DC Wallbox

MC 30/40/60 kW (EN)

DC CHARGER

Model	Motion Compact DC Wallbox		
Charging			
Charging Mode	Mode 4 EV Charging		
Rated Output Power	30 kW	40 kW	60 kW
Output Voltage	150-1000 Vdc		
Max. Output Current	100 A	133 A	150 A or 200 A customized
Number of Outputs	1	1 or 2	
Connector Type	CCS2 / GBT / CCS1		
Peak Efficiency	≥97%		
AC Input			
Earthing System	TN-C / TN-S / TN-C-S / TT		
Input Voltage	400 Vac ±10% (3P+N+PE)		
Input Frequency	50/60 Hz		
AC Rated Input Current	48 A	64 A	96 A
Power Factor	≥0.99 (@ full load)		
THDi	<5% (@ full load)		
Min. Connection Cross-	16 mm²	25 mm²	35 mm²
User Interface			
Status Indication	RGB LED, 10.1" touch screen		
Connectivity	4G, Ethernet		
Communication Protocols	OCPP 1.6J		
User Authentication	APP, RFID card, POS(optional)		
Features			
SPD	SPD II		
RCD	Type A RCD		
OVC.Category	OVC III		
Multiple Protection	Overvoltage Protection, Undervoltage Protection, Overcurrent Protection, Current Leakage Protection, OverTemperature Protection, Grounding Protection, Surge Protection, Short Circuit Protection, Fault Self-check, Insulation Detection and Other Multiple Protection Functions.		
Environmentat Noise	<65 dB @1 m, 25°C		
Environmental			
Operating Temperature	-30°C to 50°C		
Storage Temperature	-40°C to 70°C		
Operating Altitude	≤2000 m		
Humidity	5%-95% relative		
Mechanical			
IP & IK Rating/IP & IK	IP55; IK10		
Casing	SGCC		
Charing Cable Length	5m Standard(including connector); 7m Customized		
Type of installation	Wall mounting or Pole mounting		
Weight	Charger: ≤80 kg		Charger: ≤110 kg
	Pole: ≤30 kg (excluding cable management system)		
Dimensions(W × H × D)	Charger: 651 × 882 × 352 mm		
	Pole: 370 × 722 × 330 mm (excluding cable management system)		
Warranty	2 years, extend +1 year / +2 years		
Standards			
Safety	IEC 61851-1, IEC-61851-23, IEC-61851-24, IEC 62196-1, IEC 62196-3, 2014/35/EU		
EMC	IEC 61851-21-2 Class A, 2014/30/EU		
RED	2014/53/EU		
RoHS	2015/863/EU, 2011/65/EU		
Communication	DIN 70121, ISO 15118-1, ISO 15118-2, ISO 15118-3		
Other	Modem 4G complies with CE/RED		

CE UK RoHS

Motion Compact DC Wallbox

MC 30/40/60 kW (480V Input)

DC CHARGER

Model	Motion Compact DC Wallbox		
Charging			
Charging Mode	Mode 4 EV Charging		
Rated Output Power	30 kW	40 kW	60 kW
Output Voltage	150-1000 Vdc		
Max. Output Current	100 A	133 A	150 A or 200 A customized
Number of Outputs	1	1 or 2	
Connector Type	CCS2 / GBT / CCS1		
Peak Efficiency	≥97%		
AC Input			
Earthing System	TN-C / TN-S / TN-C-S / TT / IT		
Input Voltage	480 Vac ±10% (3P+N+PE)		
Input Frequency	50/60 Hz		
AC Rated Input Current	38 A	51 A	76 A
Power Factor	≥0.99 (@ full load)		
THDi	<5% (@ full load)		
Min. Connection Cross-section	16 mm²	25 mm²	35 mm²
User Interface			
Status Indication	RGB LED, 10.1" touch screen		
Connectivity	4G, Ethernet		
Communication Protocols	OCPP 1.6J		
User Authentication	APP, RFID card, POS (optional)		
Features			
SPD	SPD II		
RCD	Type A RCD		
OVC Category	OVC III		
Multiple Protection	Overvoltage Protection, Undervoltage Protection, Overcurrent Protection, Current Leakage Protection, Over Temperature Protection, Grounding Protection, Surge Protection, Short Circuit Protection, Fault Self-check, Insulation Detection and Other Multiple Protection Functions		
Environmental Noise	<65 dB @1 m, 25°C		
Environmental			
Operating Temperature	-30°C to 50°C		
Storage Temperature	-40°C to 70°C		
Operating Altitude	≤2000 m		
Humidity	5%-95% relative		
Mechanical			
IP & IK Rating	IP55; IK10		
Casing	SGCC		
Charging Cable Length	5 m standard (including connector); 7 m customized		
Type of Installation	Wall mounting or pole mounting		
Weight	Charger: ≤80 kg		≤110 kg
	Pole: ≤30 kg (excluding cable management system)		
Dimensions (W × H × D)	Charger: 651 × 882 × 352 mm		
	Pole: 370 × 722 × 330 mm (excluding cable management system)		
Warranty	2 years, extend +1 year / +2 years		
Standards			
Safety	IEC 61851-1, IEC-61851-23, IEC-61851-24, IEC 62196-1, IEC 62196-3, 2014/35/EU		
EMC	IEC 61851-21-2 Class A, 2014/30/EU		
RED	2014/53/EU		
RoHS	2015/863/EU, 2011/65/EU		
Communication	DIN 70121, ISO 15118-1, ISO 15118-2, ISO 15118-3		
Other	Modem 4G complies with CE/RED		

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