

# MOTIONFAST DC CHARGING STATION

80/120/160/180/200/240kW  
\*with ACE40kW power module

MF stand-alone DC charging station has output of 240kW for quick and flexible charging. LIVOLTEK stand-alone fast charging station has two DC outputs and can be configured with CCS2 or CHAdeMO plugs. It also includes an intelligent cable management system.

CCS2

## Product Benefits

- Future-proof design via open standards, OCPP 1.6J update to OCPP2.0.1 protocol.
- CE and RoHS certification, suitable for all European countries.
- Interaction via 10.1"color touch display
- Multi user authorization with RFID, APP



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CHARGING STATION

80/120/160/180/200/240kW

| Model                      | Motion Fast DC Charging Station                                                                                                                                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input/Output Data          |                                                                                                                                                                                                                                                                                                                      |
| Rated Power                | 80/120/160/180/200/240 kW                                                                                                                                                                                                                                                                                            |
| AC Connection              | 3P+N+PE                                                                                                                                                                                                                                                                                                              |
| AC Input Voltage           | 400 Vac ± 10%                                                                                                                                                                                                                                                                                                        |
| Rated Frequency            | 50/60 Hz                                                                                                                                                                                                                                                                                                             |
| Power Factor               | ≥0.99 at nominal load                                                                                                                                                                                                                                                                                                |
| Output Voltage Range       | 150 ~ 1000Vdc                                                                                                                                                                                                                                                                                                        |
| Output Current             | 300 A                                                                                                                                                                                                                                                                                                                |
| Output Efficiency          | ≥96%                                                                                                                                                                                                                                                                                                                 |
| Basic Features             |                                                                                                                                                                                                                                                                                                                      |
| Environment of use         | Indoor / Outdoor                                                                                                                                                                                                                                                                                                     |
| User Authorization         | RFID (ISO 14443 A/B), APP                                                                                                                                                                                                                                                                                            |
| Working Noise              | ≤ 65dB （Nominal Load, Measured at 1m from the front of the charger）                                                                                                                                                                                                                                                  |
| Operating Temperature      | -30°C ~ +55°C                                                                                                                                                                                                                                                                                                        |
| Storage Temperature        | -30°C ~ +70°C                                                                                                                                                                                                                                                                                                        |
| Working Humidity           | 5% ~ 95% RH                                                                                                                                                                                                                                                                                                          |
| Working Altitude           | ≤ 2000 m                                                                                                                                                                                                                                                                                                             |
| IP / IK Degree             | IP55 / IK10                                                                                                                                                                                                                                                                                                          |
| Cooling                    | Force Fan Cooling                                                                                                                                                                                                                                                                                                    |
| Dimension(W*H*D)           | 750*1850*625 mm (with cable management system)                                                                                                                                                                                                                                                                       |
| Weight                     | ≤ 380kg                                                                                                                                                                                                                                                                                                              |
| Length of Charging Cable   | 5m / 7m                                                                                                                                                                                                                                                                                                              |
| Standard Warranty          | 2 years, extend +1 year / +2 years                                                                                                                                                                                                                                                                                   |
| Other Features             |                                                                                                                                                                                                                                                                                                                      |
| 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, Current Leakage Protection, Over Temperature Protection, Grounding Protection, Surge Protection, Short Circuit Protection, Fault Self-check, Soaking Protection, Smoke Alarm, Insulation Detection and Other Multiple Protection Functions. |
| Leakage Current Protection | Type A RCD                                                                                                                                                                                                                                                                                                           |
| Standards                  |                                                                                                                                                                                                                                                                                                                      |
| Safety                     | IEC 61851-1, IEC-61851-23, IEC-61851-24, IEC 62196-2, IEC 62196-3, 2014/30/EU, 2014/35/EU                                                                                                                                                                                                                            |
| EMC                        | IEC 61851-21-2 Class A                                                                                                                                                                                                                                                                                               |
| RED                        | 2014/53/EU                                                                                                                                                                                                                                                                                                           |
| RoHS                       | 2017 / 2102                                                                                                                                                                                                                                                                                                          |
| Communication              | DIN 70121, ISO 15118-1, ISO 15118-2, ISO 15118-3                                                                                                                                                                                                                                                                     |
| Other                      | Modem 4G complies with CE/RED<br>Meter complies with 2014/32/EU<br>Complies with RoHS                                                                                                                                                                                                                                |