

MAC-722 PRODUCT SUMMARY V1.06

MAC-722 Combined AC Charger

Combined 7.4kW / 22kW AC Charging Unit

PRODUCT DESCRIPTION

Drawing on a decade of expertise in high-performance batteries and power electronics, Motion Applied offers a comprehensive EV charging portfolio spanning 7/22 kW AC to 720 kW ultra-rapid DC solutions.

All systems are engineered for high reliability, low acoustic noise, superior efficiency, and extended service life.

The **MAC-722** is a configurable AC charger designed for flexible deployment across diverse charging environments, offering versatility, scalability, and ease of integration for a wide range of use cases



KEY FEATURES	
Max power per connector	7.4kW single phase, 22kW three phase
Max current per connector	32A
Voltage rating, single phase	230Vac +/-10%
Voltage rating, three phase	400Vac +/-10%
Number of EV connectors	Single or dual

POWER INPUT & OUTPUT	
Input cable connection	Top or bottom
EV Connector	IEC 62196 Type2 Socket or cable
Charging mode	IEC 61851 Mode 3
Card reader	RFID ISO14443A Mifare
Charge Indicator	RGB LED
Backend comm protocol	OCPP 1.6 & OCPP 2.0.1
Overcurrent protection	Integrated fuse plus digital monitoring
Residual current protection	30mA AC & 6mA DC

PHYSICAL SPECIFICATIONS	
Dimensions	247mm x 183.5mm x 411.5mm
Environmental protection	IP 54 (outdoor)
Impact rating	IK10
Ambient conditions	-30°C to +50°C (non-condensing)
Mounting method	Wall / Pedestal / Kiosk

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MANAGEMENT SPECIFICATIONS	
Central management	OCPP compliant station control and monitoring system
Firmware updates	Automatic firmware updates from the cloud
Smart charging	Via OCPP charging profiles
Dynamic load balancing	Between connectors in dual connector versions

OPTIONAL FEATURES	
Touch screen	5", 7" or no screen options
Connectivity	Ethernet / Wi-Fi / 4G LTE
High level communication	IEC 15118 compliant PLC interface
Energy metering	Energymeter
Schuko socket	2,3 kW / 10A IEC 61884-1 compliant sockets (single or dual)

PRODUCT RANGE

Motion Applied offers the full range of white-labelled charging solutions from 7/22kW AC units to 720kW DC distributed charging with a 1.5 MW DC charger coming soon¹

1 AC Charging
MAC-722
Untethered and tethered variants



7.4 / 22 kW AC
Combined unit

Screen:
7" or 5"
or no-screen

1x or 2x CCS2

2 All-in-one DC
MDC-80/120/
160/200/240



80 kW DC
120 kW DC
160 kW DC
200 kW DC
240 kW DC

Screen: 21.5"

2 x CCS2

3 Satellite DC
DPU-240/600/
720 power units
HCD-500 dispensers



600kW distributed DC
with **500A satellite dispensers** and **BESS²**
(240kW and 720kW power units also available)

Screen: 10.1"

Up to 12x CCS2

4 Megawatt DC
1.5MW
Power Unit



1,500 kW
distributed DC

Screen and connectors
TBC

ON THE PRODUCT ROADMAP

Source: Motion Applied; Note 1: 1.5 MW DC charging capable of charging 300kWh in 15 minutes; Note 2: Battery Energy Storage System

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