

Model # MEVAD142K

3-Ph, 380/400/415V, 50/60Hz, 142KW Magnizon's AC-DC Fast EV charging stations with 3guns

Product Description

MEVAD142K is a Magnizon's fast EV DC charger with **2x60KW DC** charging guns and **1x22KW AC** charging gun suitable for European cars. It can deploy charging network rapidly and effectively, providing high-power quick charging service for all brands of electric vehicles. It has a durable, robust, all-weather enclosure for indoor and outdoor use and support CCS & CHAdeMO standards. This all-in-one DC charger consists of billing control unit, charging control unit, charging module and input / output power distribution unit. It is applicable for expressway, urban public parking station and enterprises' parking lot.



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Types of connectors

- ❖ CCS2, CHAdeMO and CCS2 AC
- ❖ Optional Multiple configuration (CCS2 , CHAdeMO, type T2)

Key Features

- ❖ Featured with dual technology allowing simultaneous charging in DC and AC.
- ❖ Supports CCS 2 combo, CHAdeMO and CCS 2 AC functionality
- ❖ Features in three outlets: a 60KW DC ports (European standard), a 60KW DC ports (Japanese standard) and a 22KW AC port (European standard)
- ❖ High efficiency, high power factor, low input harmonic current, no need for additional reactive power compensation and harmonic suppression equipment
- ❖ Hot-swap modular design, easy maintenance
- ❖ Daylight readable 7" touchscreen display
- ❖ EV standards: IEC 62196, IEC 61851, JEVS G105
- ❖ OCPP and network connectivity enabling system integration
- ❖ Future proof due to DC output voltage range from 200 to 1000 VDC supporting most kinds of electric vehicles.

Applications

- ❖ Highway Service Stations
- ❖ Short term Parking Offices and Commercial Buildings
- ❖ Public operations such as highway rest stops, petrol stations, airport etc
- ❖ Private operations such as EV dealers, EV fleets etc.
- ❖ Compatible vehicles: BMW, Volkswagen, GM, Porsche, Audi, Nissan, Mitsubishi, Peugeot, Citroen, Kia, Renault, Daimler, Tesla, Smart, Mercedes

Optional Charger connections

IEC DC Charging Systems

	System A CHAdeMO (Japan)	System B GB/T (PRC)	System C	
			COMBO1 (US)	COMBO2 (DE)
Connector				
Vehicle Inlet				

Model # MEVD142K

Specifications:

MODEL	MEVD142K
INPUT	
Input voltage	260 ~ 470 V (three-phase five-wire)
Input current	≤360 A
AC input frequency	40 ~ 70 Hz
Efficiency	≥ 97%
Power factor	≥ 0.99
Input THD	≤ 5%
OUTPUT	
Output voltage range	200 ~1000 V
Rated output current	200Amp
DC Output power	2x60KW DC and 1x22KW AC EU type
DC Voltage Ripple + Noise	500 mVp-p
DC Current Ripple	<1 Arms @ Rated Power
Soft start time	3 ~ 8 s
Voltage regulation accuracy	≤ ± 0.5%
Current regulation accuracy	≤ ± 1%
Ripple coefficient (peak value)	≤ ± 0.5%
Current-sharing unbalanced degree	≤ ± 5% (50% ~ 100% rated load)
Noise	< 65 dB
Protection	Overcurrent, Under voltage, Overvoltage, Residual current, Surge, Short circuit, Ground fault, Emergency shutdown alarm, Over temp, Electric shock, Input phase reversal, Plug out protection
CHARGING CONFIGURATION AND STANDARD	
Number of charging plugs	3
Charging cable length	5 m
Charging protocols	CCS and CHAdeMO
DC Output plug Types Options	CCS2, CCS1, CHAdeMO, GB/T
HMI	7" graphical LCD, Push buttons for commands
Support Languages	Dual language (Local plus English)
Power Management	Configurable dynamic load distribution (dual DC outputs)
User Authentication	ISO / IEC 14443 A / B Mifare RFID reader
Network Interface	Ethernet, GSM/3G/4G, Wifi/WLAN, Bluetooth
Communication Protocol	OCPP 1.6, others by request
Standards	IEC 62196, IEC 61851, JEVS G105
Quality Standards	ISO9001:2015, ISO14001:2015, RoHs
OTHERS	
Operating temperature	-20°C ~ +50°C
Storage temperature	-40°C ~ +80°C
Relative humidity	≤ 95%
Atmospheric pressure	70 kPa ~ 106 kPa
IP rating	IP 54
Dimensions (W × D ×H) (mm)	1010x760x1860
Weight (kg)	380Kgs