

## Model # MEVD60K

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

### Product Description

**MEVD60K is a Magnizon's fast EV DC 60KW charger with two** charging guns. 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.



### Types of connectors:

- ❖ CCS + CHAdeMO default,
- ❖ AC type 2 connectors
- ❖ Optional Multiple configuration (CCS2 , CHAdeMO, type T2)

## Model # MEVD60K

### Key Features

- ❖ Compact and contemporary design
- ❖ 30 kW/60kW continuous fast charging
- ❖ Robust, all-weather enclosure for indoor and outdoor use( IP54)
- ❖ Highest efficiency in the range : 97%
- ❖ 7" Graphical user interface for status and configurations
- ❖ Single outlet: CCS or CHAdeMO
- ❖ Daylight readable 7" full color touchscreen display
- ❖ RFID reader RFID and ISO 15118 user identification
- ❖ Future proof connectivity:
- ❖ OCPP and network connectivity enabling system integration
- ❖ Capability for remote services
- ❖ Future proof due to DC output voltage range from 200 to 1000 VDC supporting most kinds of electric vehicles.
- ❖ EV standards: IEC 62196, IEC 61851, JEVS G105

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

## Model # MEVD60K

### Specifications

MODEL	MEVD60K
<b>INPUT</b>	
Input voltage	260 ~ 470 V (three-phase five-wire)
Input current	≤100 A
AC input frequency	40 ~ 70 Hz
Efficiency	≥ 97%
Power factor	≥ 0.99
Input THD	≤ 5%
<b>OUTPUT</b>	
Output voltage range	200 ~1000 V
Rated output current	200Amp
DC Output power	60KW
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
<b>CHARGING CONFIGURATION AND STANDARD</b>	
Number of charging plugs	2
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
<b>OTHERS</b>	
Operating temperature	-20°C ~ +60°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)	310Kgs

Copyright © 2012 MAGNIZON POWER SYSTEMS. All rights reserved. All trademarks are the sole property of their respective owners. MAGNIZON POWER SYSTEMS has a policy of continuous improvement. Specifications are subject to change without notice. Photos may differ slightly from final products.