



TECHNICAL DATA SHEET



PIONEERING THE FUTURE
OF ELECTRIC MOBILITY

**ULTRA-FAST
DC CHARGER**

90kW-240kW

MEVCD220

Find out more:
menshaenergy.com



**MODERN
DESIGN**



**UPGRADEABLE
POWER**



**FUTURE-READY
PERFORMANCE**



**LIGHTNING-FAST
CHARGING**

ULTRA-FAST DC CHARGER

90kW-240kW

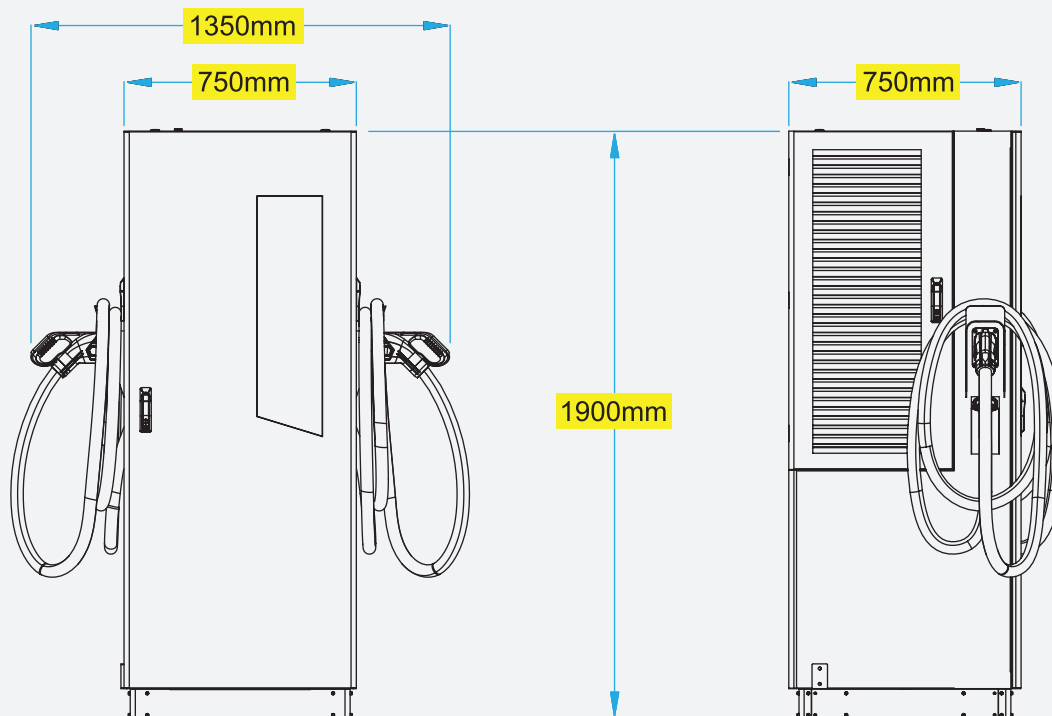


KEY FEATURES

- Experience unparalleled charging speed with a staggering ultra-fast charging capability.
- Equipped with advanced technology to meet the evolving standards of electric vehicles and charging infrastructure.
- Aesthetically pleasing and space-efficient design that enhances any charging station's visual appeal. Built-in safety features

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DIMENSIONS



TECHNICAL SPECIFICATION

AC Nominal Input		
Voltage	V	Three-phase: 400Vac $\pm 10\%$ (Optional)
Frequency	Hz	50Hz or 60Hz
Efficiency		$\geq 95\%$
Power factor		≥ 0.98
Network Type		TT/TN
Cable Cross-Section (Power Cable)	mm ²	upto 185 mm ² (depending on max. current setting)
DC Output		
Rated Power	kW	120-240kW Upgradable with 30kW modules (120/150/180/210/240)
Connectors		CCS2 (CHAdeMO Optional)
Current	A	200/250A
Voltage	V	200V - 1000VDC
Current Accuracy		$\leq \pm 1\%$
Voltage Accuracy		$\leq 0.5\%$
Cable length	m	5m or 7 m (customizable)
General Specifications		
Charging mode		Mode 4
User interface		7" Color Touch Screen Display (12" optional)
Charging Status LEDs		Charging state, Authentication, Error codes
LED Indicators		Green/Blue/Red
User Authentication		RFID (ISO/IEC 14443), APP
Network connection		Ethernet, Bluetooth, Wi-Fi (GSM, LTE, 4G Optional)
Number of charging Connectors		2

Charging protocol		ISO 15118, DIN 70121
Communication protocol		Compactable with OCPP 1.6J, upgradeable to OCPP 2.0.1
Residual Current Protection		Yes
Internal Fuse		Yes
Electrical Protection		Under voltage, Over voltage, Over Current, Short Circuit protection, Lightning protection, Over temperature, Ground Fault, Surge protection
Metering options		DC meter, Accuracy Class 1.0
Languages		English (customizable)
Environmental Conditions		
Operating environment		Indoor/Outdoor
Operating temperature	°C	-30°C ~ +50°C
Operating Noise Level	dBA	≤75dBA
Recommended Storage conditions	°C	-40°C ~ +75°C
Operating altitude	m	≤2000
Relative Humidity (RH)	%	5%-95% RH
Mechanical Specifications		
Enclosure protection		IP54
		IK10
Cooling Method		Fan cooling
Color		Yellow and Black
Mounting options		Free standing
Product dimensions (W x D x H)	mm	750mm x 750mm x 1900mm
Package dimensions (W x D x H)	mm	1000mm x 920mm x 2050mm
Weight	kg	411kg (Net)/ 428(Gross)
Norms and Standards		
Charging standards		EN IEC 61851-1:2019, EN 61851-23:2014+AC:2016, EN 61851-24:2014+AC:2015, EN IEC 62196-1:2022, EN IEC 62196-3:2022, IEC 61851-1:2017, IEC 62196-1:2022, IEC 62196-3:2022, IEC 61851-23:2014+COR1:2016, IEC 61851-24:2014+COR1:2015
EMC Standards		EN IEC 61851-21-2:2021, EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN IEC 61000-3-11:2019, EN 61000-3-12:2011, IEC 61851-21-2:2018, IEC 61000-6-1:2016, IEC 61000-6-3:2020, IEC 61000-3-11:2017, IEC 61000-3-12:2011
Certificates and Conformity		CE
EMI		Class B

EMPOWERING THE FUTURE



Mensha Energy Solution LLC
Unit- A01, Block-A, Phase-03
Light industrial unit, DSO,
Dubai, UAE

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