

MaxiCharger DC HiPower

480kW/640kW



MaxiCharger DC HiPower

Unleash The Power Of Charging



Ultra-Fast

Deliver a seamless and efficient charging experience

- Max. 650A liquid-cooling and low-temp fast charging tech provides up to 250 miles of range in 10 mins
- Smart Power Distribution can charge up to 8 vehicles simultaneously, increasing efficiency and utilization



Intelligent

Unlock new levels of battery health and charging Intelligence

- Revolutionary AI algorithm increases EV battery life by up to 20%
- Intelligent charging navigation planning system enhances battery health



Future-Proof

Built for energy-saving and a green future

- Dynamic module dispatching and load balancing reduce power expansion, saving up to 20,000 kWh per year
- Compatible with solar power, energy storage, and EMS for efficient energy management



Robust

Designed for high reliability to reduce costs

- Ultimate modularity for easy O&M with single person operation and 98% availability
- Self-protection system includes 21 system-level safety features

Technical Specification (User Unit)

DC Output Connection

Liquid Cooling Dispenser

Boost Dispenser

Charging mode
Output1 power
Output1 voltage
Output1 current
Output2 power
Output2 voltage
Output2 current
Number of outputs

Mode 4: CCS1
480kW
150-950V
CCS1 500A (Max. 650A)
480kW
150-950V
CCS1 500A (Max. 650A)
2*CCS1

Mode 4: CCS1
240kW
150-950V
CCS1 300A (Max. 400A), 200A (Optional)
240kW
150-950V
CCS1 300A (Max. 400A), 200A (Optional)
2*CCS1, or 1*CCS1+1*CHAdemo

General Characteristics

Liquid Cooling Dispenser

Boost Dispenser

Enclosure rating
Operating altitude
Operating temperature range
Storage temperature range
Mounting
Dimensions (H×W×D)
Screen type
Cable length

NEMA 3S
3000m
-31°F ~ +131°F (-35°C ~ +55°C)
-40°F ~ +158°F (-40°C ~ +70°C)
Floor Standing
2075×580×320 mm
8/15.6 inch LCD Touch Screen (1920*1080)
4m standard; 5m or 7m Optional

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User Interface

Liquid Cooling Dispenser

Boost Dispenser

Status indication
User interface
Connectivity
Communication protocols
User authentication

LED/LCD/APP
Autel Charge APP; Autel Charge Cloud
Ethernet
OCPP 1.6J (OCPP 2.0.1 Optional)
APP, RFID card, QR code, Credit Card (Optional)

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Software Update

Liquid Cooling Dispenser

Boost Dispenser

Software update

OTA updates via web portal

OTA updates via web portal

Certification and Standards

Liquid Cooling Dispenser

Boost Dispenser

Safety standards
Certification
Design life
Warranty

UL 2202, UL 2231-1, UL 2231-2,
NEC Article 625, CSA C22.2 No. 107.1-16;
CSA, FCC part 15 Class A
10 years
24 months, warranty extension possible

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Technical Specification (Power Unit)

AC Input	480kW (Air Cooling)	640kW (Air Cooling)
Earthing system	3P, PE (No neutral)	3P, PE (No neutral)
Input voltage	3-phase 480V AC $\pm 15\%$ (2 Routes)	3-phase 480V AC $\pm 15\%$ (2 Routes)
Input frequency	60Hz	60Hz
Power factor	≥ 0.99	≥ 0.99
Harmonic distortion (THDi)	$\leq 5\%$	$\leq 5\%$

General Characteristics	480kW (Air Cooling)	640kW (Air Cooling)
Number of outputs (Max.)	8	8
Minimum adjustable power	40kW	80kW
Connectivity	4G, Wi-Fi, Ethernet	4G, Wi-Fi, Ethernet
Peak efficiency	$\geq 96\%$	$\geq 96\%$
Enclosure rating	NEMA 3S	NEMA 3S
Operating altitude	3000m	3000m
Operating temperature range	-31°F ~ +131°F (-35°C ~ +55°C)	-31°F ~ +131°F (-35°C ~ +55°C)
Storage temperature range	-40°F ~ +158°F (-40°C ~ +70°C)	-40°F ~ +158°F (-40°C ~ +70°C)
Mounting	Floor Standing	Floor Standing
Dimensions (H×W×D)	2000×1700×900 mm	2000×1700×900 mm

Certification and Standards	480kW (Air Cooling)	640kW (Air Cooling)
Safety standards	UL 2202, UL 2231-1, UL 2231-2, NEC Article 625, CSA C22.2 No. 107.1-16;	UL 2202, UL 2231-1, UL 2231-2, NEC Article 625, CSA C22.2 No. 107.1-16;
Certification	CSA, FCC part 15 Class A	CSA, FCC part 15 Class A
Design life	10 years	10 years
Warranty	24 months, warranty extension possible	24 months, warranty extension possible

* All pictures shown are for illustration purpose only, actual product and specifications may vary due to product enhancement

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