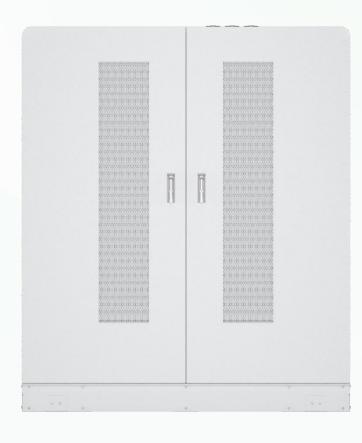
# AUTEL\* MaxiCharger DC HiPower

2023.09



## Autel MaxiCharger DC HiPower







Dispenser

Power Cabinet

Dispenser

#### MaxiCharger DC HiPower

#### **Ultra-fast**

#### **Accelerate Revenue and User Engagement**

- Max. 640 kW output power; Max. 650-amp output current; Max. 480 kW single cable output power.
- Liquid-cooling and low-temp fast charging tech provides up to 250 miles of range in 10 min.

#### Intelligent

#### **Optimize Power Efficiency**

- **Energy Cube** (Matrix switching algorithm patented by Autel) and an Al-driven switching algorithm minimize expansion costs and optimize power capability utilization.
- Operational intelligence through load balancing minimizes power consumption while enhancing station performance.

#### Reliable

#### **Drive High Uptime**

- Unified hardware and software design minimizes failure rates, enhances maintainability, and guarantees optimal uptime.
- Vehicle-charger compatibility is up to 99.9%, and the success rate of a one-time charge is up to 99.5%.
- Streamlined maintenance with redundant backup modular design enables single-module replacement in just 3 minutes.

#### Scalable

#### **Meet Growing Demand**

- Starts at 320 kW, expandable up to 640 kW with added power modules.
- Adapt the dispenser count based on demand, enabling simultaneous charging for up to 8 vehicles.
- Compatible with solar power, energy storage, and energy management systems (EMS).



## **MaxiCharger DC HiPower**

**Technical Specifications** (Power Cabinet)



Earthing system  Input voltage  Input frequency  Power factor  Power factor  Harmonic distortion (THDi)  General Characteristics  Number of outputs (Max.)  Minimum adjustable power  Connectivity  Peak efficiency  Enclosure rating  Operating altitude  Operating temperature range  Storage temperature range  Mounting  Floor St.  Jan. 2000×1	400V AC ±15% (2 Routes)	640kW (Air Cooling)  3P, PE, N  3-phase 400V AC ±15% (2 Routes)  50/60Hz  ≥0.99  ≤5%  640kW (Air Cooling)  8  80kW  4G, Wi-Fi, Ethernet
Input voltage Input frequency  Power factor  Harmonic distortion (THDi)  General Characteristics  Number of outputs (Max.)  Minimum adjustable power  Connectivity  Peak efficiency  Enclosure rating  Operating altitude  Operating temperature range  Storage temperature range  Mounting  Dimensions (H×W×D)  50/60H2  480kW  480kW  480kW  480kW  490kW  40kW  2000m  40kW  2000m  40kW  2000m  Floor Storage temperature range 40°C ~	400V AC ±15% (2 Routes) z	3-phase 400V AC ±15% (2 Routes)  50/60Hz ≥0.99 ≤5%  640kW (Air Cooling)  8  80kW
Input frequency  Power factor  Power factor  ≥0.99  Harmonic distortion (THDi)  General Characteristics  Number of outputs (Max.)  Minimum adjustable power  Connectivity  Peak efficiency  Enclosure rating  Operating altitude  Operating temperature range  Storage temperature range  Mounting  Dimensions (H×W×D)  ≥0.99  480kW  480kW  480kW  180kW  180k	(Air Cooling)	50/60Hz ≥0.99 ≤5% 640kW (Air Cooling) 8 80kW
Power factor  Power factor  Harmonic distortion (THDi)  General Characteristics  Number of outputs (Max.)  Minimum adjustable power  Connectivity  Peak efficiency  Enclosure rating  Operating altitude  Operating temperature range  Storage temperature range  Mounting  Dimensions (H×W×D)  ≥0.99  480kW  480kW  480kW  40kW  20kW  40kW  4G, Wi- 296%  Enclosure rating  IP54  2000m  Floor Storage temperature range 40°C ~	(Air Cooling)	≥0.99 ≤5% <b>640kW (Air Cooling)</b> 8 80kW
Harmonic distortion (THDi) ≤5%  General Characteristics 480kW ( Number of outputs (Max.) 8  Minimum adjustable power 40kW  Connectivity 4G, Wi- Peak efficiency ≥96%  Enclosure rating IP54  Operating altitude 2000m  Operating temperature range -35°C ~ +4  Storage temperature range Floor Storage in Storage i		≤5% 640kW (Air Cooling) 8 80kW
General Characteristics       480kW (         Number of outputs (Max.)       8         Minimum adjustable power       40kW         Connectivity       4G, Wi-         Peak efficiency       ≥96%         Enclosure rating       IP54         Operating altitude       2000m         Operating temperature range       -35°C ~ +         Storage temperature range       ~-40°C ~         Mounting       Floor St         Dimensions (H×W×D)       2000×1°		640kW (Air Cooling) 8 80kW
Number of outputs (Max.)  Minimum adjustable power  40kW  Connectivity  4G, Wi-  Peak efficiency  Enclosure rating  Operating altitude  Operating temperature range  Storage temperature range  Thou Storage temperature range  Mounting  Floor Storage temperature (H×W×D)  Page 40kW  4G, Wi-  296%  296%  Floor Storage temperature range  -35°C ~ +  The storage temperature range  2000×1°		8 80kW
Minimum adjustable power 40kW  Connectivity 4G, Wi- Peak efficiency ≥96%  Enclosure rating IP54  Operating altitude 2000m  Operating temperature range -35°C ~ +  Storage temperature range Floor St.  Mounting Floor St.  Dimensions (H×W×D) 2000×1	Fi, Ethernet	80kW
Connectivity 4G, Wi- Peak efficiency ≥96%  Enclosure rating IP54  Operating altitude 2000m  Operating temperature range -35°C ~ +  Storage temperature range Floor Storage in S	Fi, Ethernet	
Peak efficiency ≥96%  Enclosure rating IP54  Operating altitude 2000m  Operating temperature range -35°C ~ +  Storage temperature range40°C ~  Mounting Floor St.  Dimensions (H×W×D) ≥2000×1°	Fi, Ethernet	4G, Wi-Fi, Ethernet
Enclosure rating IP54  Operating altitude 2000m  Operating temperature range -35°C ~ +  Storage temperature range ~-40°C ~  Mounting Floor St.  Dimensions (H×W×D) 2000×1		
Operating altitude 2000m  Operating temperature range -35°C ~ +  Storage temperature range ~-40°C ~  Mounting Floor St.  Dimensions (H×W×D) 2000×1		≥96%
Operating temperature range -35°C ~ + Storage temperature range ~-40°C ~ Mounting Floor St Dimensions (H×W×D) 2000×1		IP54
Storage temperature range ~-40°C ~  Mounting Floor Sta  Dimensions (H×W×D) 2000×1		2000m
Mounting Floor Starting Dimensions (H×W×D) 2000×1	55℃	-35°C ~ +55°C
Dimensions (H×W×D) 2000×1	+70°C	-40°C ~ +70°C
,	anding	Floor Standing
	700×900 mm	2000×1700×900 mm
Certification and Standards 480kW	(Air Cooling)	640kW (Air Cooling)
Safety standards IEC5185	1-23	IEC51851-23
Certification CE		CE
Design life 10 years		10 years
Warranty 24 mont	3	24 months, warranty extension possible

 $<sup>{}^*\, \</sup>text{All pictures shown are for illustration purpose only, actual product and specifications may vary due to product enhancement}$ 

# MaxiCharger DC HiPower

### **Technical Specifications** (Dispenser)



DC Output Connection	Liquid Cooling Dispenser	Boost Dispenser
Charging mode	Mode 4: CCS1	Mode 4: CCS1
Output1 power	480kW	240kW
Outpu1 voltage	150-950V	150-950V
Output1 current	CCS1 500A (Max. 650A)	CCS1 300A (Max. 400A), 200A (Optional)
Output2 power	480kW	240kW
Output2 voltage	150-950V	150-950V
Output2 current	CCS 2 500A (Max. 650A)	CCS 2 300A (Max. 400A), 200A (Optional)
Number of outputs	2*CCS1	2*CCS1, or 1*CCS1+1*CHAdeMO
General Characteristics	Liquid Cooling Dispenser	Boost Dispenser
Enclosure rating	IP54	IP54
Operating altitude	3000m	3000m
Operating temperature range	-35°C ~ +55°C	-35°C ~ +55°C
Storage temperature range	~-40°C ~ +70°C	-40°C ~ +70°C
Mounting	Floor Standing	Floor Standing
Dimensions (H×W×D)	2075×580×320 mm	2075×580×320 mm
Screen type	15.6 inch LCD Touch Screen (1920*1080)	15.6 inch LCD Touch Screen (1920*1080)
Cable length	5m	5m
User Interface	Liquid Cooling Dispenser	Boost Dispenser
Status indication	LED/LCD/APP	LED/LCD/APP
User interface	Autel Charge APP; Autel Charge Cloud	Autel Charge APP; Autel Charge Cloud
Connectivity	Ethernet	Ethernet
Communication protocols	OCPP 1.6J (OCPP 2.0.1 Optional)	OCPP 1.6J (OCPP 2.0.1 Optional)
User authentification	APP, RFID card, QR code, Credit Card (Optional)	APP, RFID card, QR code, Credit Card (Optional)
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	IEC51851-23	IEC51851-23
Certification	CE	CE
Design life	10 years	10 years
Warranty	24 months, warranty extension possible	24 months, warranty extension possible
	* All mintures also come our famille extention according to the control of the co	

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#### Smart Power Distribution Improves Energy Efficiency

With the help of a smart technology called Smart Power Distribution, electric vehicles can be charged at full speed without you having to pay to increase your available electricity capacity.

Autel's Energy Cube and Al-driven switching algorithm minimize expansion costs and optimize power capacity utilization. Energy Cube intelligently manages power source switching, ensuring efficient energy distribution. The algorithm selects the best power source combination based on demand, maximizing capacity utilization. With Autel's technologies, achieve maximum efficiency and cost savings in power management.

