

MaxiCharger

DC HiPower

320kW - 640kW



MaxiCharger DC HiPower

640 kW Ultra Fast Charger



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) and an AI-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 99.5%, 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).

Technical Specifications (Dispenser)

DC Output Connection

Liquid Cooling Dispenser

Boost Dispenser

Charging mode	Mode 4: CCS1	Mode 4: CCS1
Output1 power	480 kW	240 kW
Output1 voltage	150-950V	150-950V
Output1 current	CCS1 500A (Max. 650A)	CCS1 300A (Max. 400A) , 200A (Optional)
Output2 power	480 kW	240 kW
Output2 voltage	150-950V	150-950V
Output2 current	CCS1 500A (Max. 650A)	CCS1 300A (Max. 400A) , 200A (Optional)
Number of outputs	2*CCS1	2*CCS1, or 1*CCS1+1*CHAdcMO

General Characteristics

Liquid Cooling Dispenser

Boost Dispenser

Enclosure rating	NEMA 3S	NEMA 3S
Operating altitude	9842.5ft (3000m)	9842.5ft (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)	81.7×22.8×12.6 inch (2075×580×320 mm)	81.7×22.8×12.6 inch (2075×580×320 mm)
Screen type	15.6 inch LCD Touch Screen (1920*1080)	15.6 inch LCD Touch Screen (1920*1080)
Cable length	16.4ft (5m)	16.4ft (5m)

User Interface

Liquid Cooling Dispenser

Boost Dispenser

Status indication	LED/LCD/APP	LED/LCD/APP
User interface	EV-olution Charge APP; EV-olution Charge Cloud	EV-olution Charge APP; EV-olution Charge Cloud
Connectivity	Ethernet	Ethernet
Communication protocols	OCPP 1.6J (OCPP 2.0.1 Optional)	OCPP 1.6J (OCPP 2.0.1 Optional)
User authentication	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
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Certification and Standards

Liquid Cooling Dispenser

Boost Dispenser

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

Technical Specifications (Power Cabinet)

AC Input	320 kW (Air Cooling)	480 kW (Air Cooling)	640 kW (Air Cooling)
Earthing system	3P, PE (No neutral)		
Input voltage	3-phase 480V AC+10%~-15% (2 Routes)		
Input frequency	60Hz		
Power factor	≥0.99		
Harmonic distortion (THDi)	≤5%		

General Characteristics	320 kW (Air Cooling)	480 kW (Air Cooling)	640 kW (Air Cooling)
Number of outputs (Max.)	8		
Minimum adjustable power	40 kW	40 kW	80 kW
Connectivity	4G, Wi-Fi, Ethernet		
Peak efficiency	≥96%		
Enclosure rating	NEMA 3S		
Operating altitude	9842.5ft (3000m)		
Operating temperature range	-31°F ~ +131°F (-35°C ~ +55°C)		
Storage temperature range	-40°F ~ +158°F (-40°C ~ +70°C)		
Mounting	Floor Standing		
Dimensions (H×W×D)	78.7×66.9×35.4 inch (2000×1700×900 mm)		

Certification and Standards	320 kW (Air Cooling)	480 kW (Air Cooling)	640 kW (Air Cooling)
Safety standards	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		
Design life	10 years		
Warranty	24 months, warranty extension possible		