POWER TECHNOLOGY

THE EV CHARGING COMPANY

DC HiPOWER

LEVEL 3 EV CHARGER



Supercharge your fleet.

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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	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	CCS1 500A (Max. 650A)	CCS1 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	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)	2075×580×320 mm	2075×580×320 mm
Screen type	8/15.6 inch LCD Touch Screen (1920*1080)	8/15.6 inch LCD Touch Screen (1920*1080)
Cable length	4m standard; 5m or 7m Optional	4m standard; 5m or 7m Optional

User Interface	Liquid Cooling Dispenser	Boost Dispenser
Status indication	LED/LCD/APP	LED/LCD/APP
User interface	Power Technology Solutions OS	Power Technology Solutions OS
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	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

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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 ±15% (2 Routes)	3-phase 480V AC ±15% (2 Routes)
Input frequency	60Hz	60Hz
Power factor	≥0.99	≥0.99
Harmonic distortion（THDi）	≤5%	≤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	≥96%	≥96%
Enclosure rating	NEMA 3S	NEMA 3S
Operating altitude	3000m	3000m
Operating temperature range	-31**℉** ~ +131**℉** (-35**℃** ~ +55 **℃**)	-31**℉** ~ +131**℉** (-35**℃** ~ +55 **℃**)
Storage temperature range	-40**℉** ~ +158**℉** (-40**℃** ~ +70 **℃**)	-40**℉** ~ +158**℉** (-40**℃** ~ +70 **℃**)
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

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