



EV Charging Solutions Provider

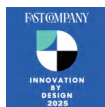
GridLink
Up to **300** kW



Product Overview

GridLink is a DC charger with an integrated Energy Storage System (ESS) that utilizes lithium-ion batteries. Equipped with both local and remote Energy Management Systems (EMS), it enables operators to benefit from peak shaving and offers enhanced flexibility for ancillary grid services through its bidirectional capability. The ESS integration supports high-power charging with substantially lower input requirements. GridLink's slim, modern design fits a wide range of applications, including parking lots, commercial centers, EV experience zones, fleet depots, charging hubs, and more. Designed for flexibility and serviceability, it allows easy access for maintenance and support.

Awards



Key Highlights



High Power Efficiency with Minimal Grid Input

Leverage a powerful 194 kW or 300 kW energy output from the storage system with just 44 kW AC input from the grid, maximizing energy efficiency and reducing dependency on traditional power sources.



Peak Shaving & Smart Load Management

Optimize energy costs with bidirectional AC/DC power modules that intelligently balance supply and demand by storing excess energy and delivering power back to the grid when needed.



Grid Resilience & Uninterrupted Backup Power

Ensure continuous power supply to critical infrastructure, buildings, and essential equipment during outages, keeping operations running smoothly.



Modular, Flexible & Scalable Design

Adapt to evolving energy needs with a plug-and-play system that allows for easy expansion and seamless integration into various applications.



Advanced Safety & Reliability

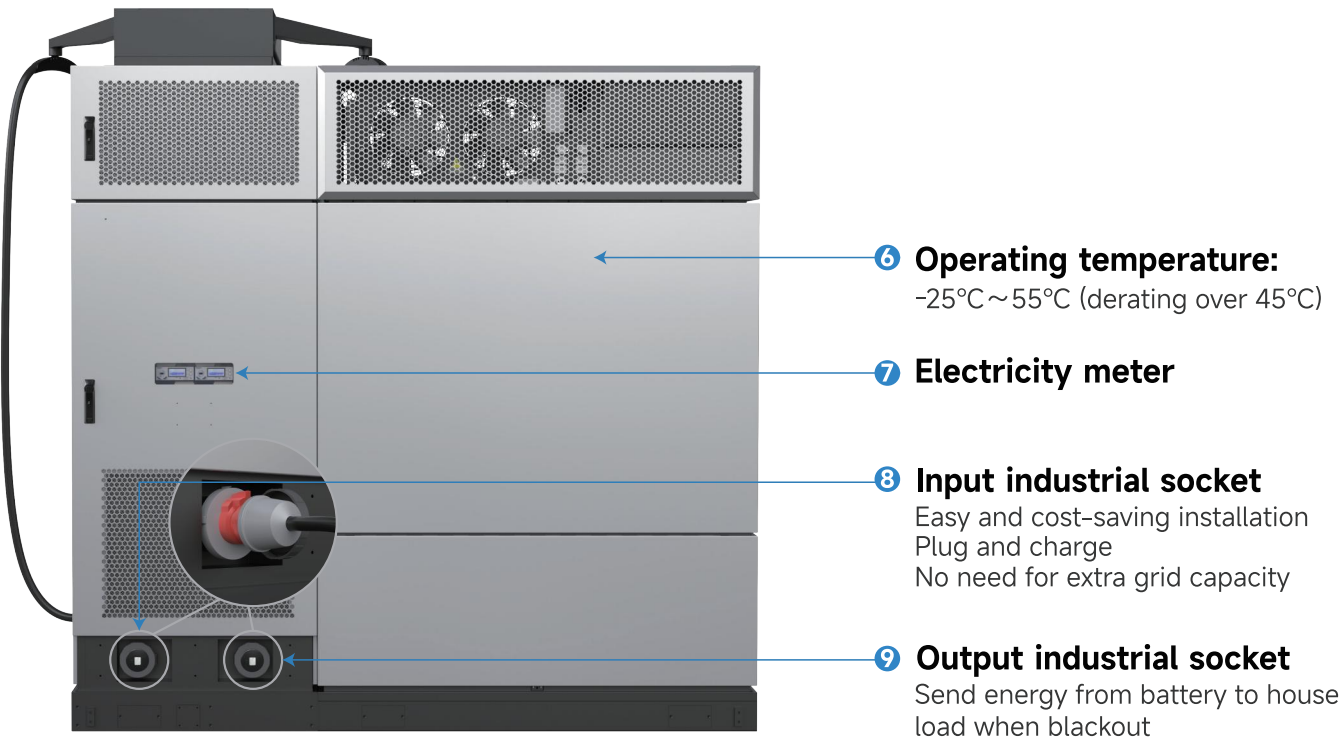
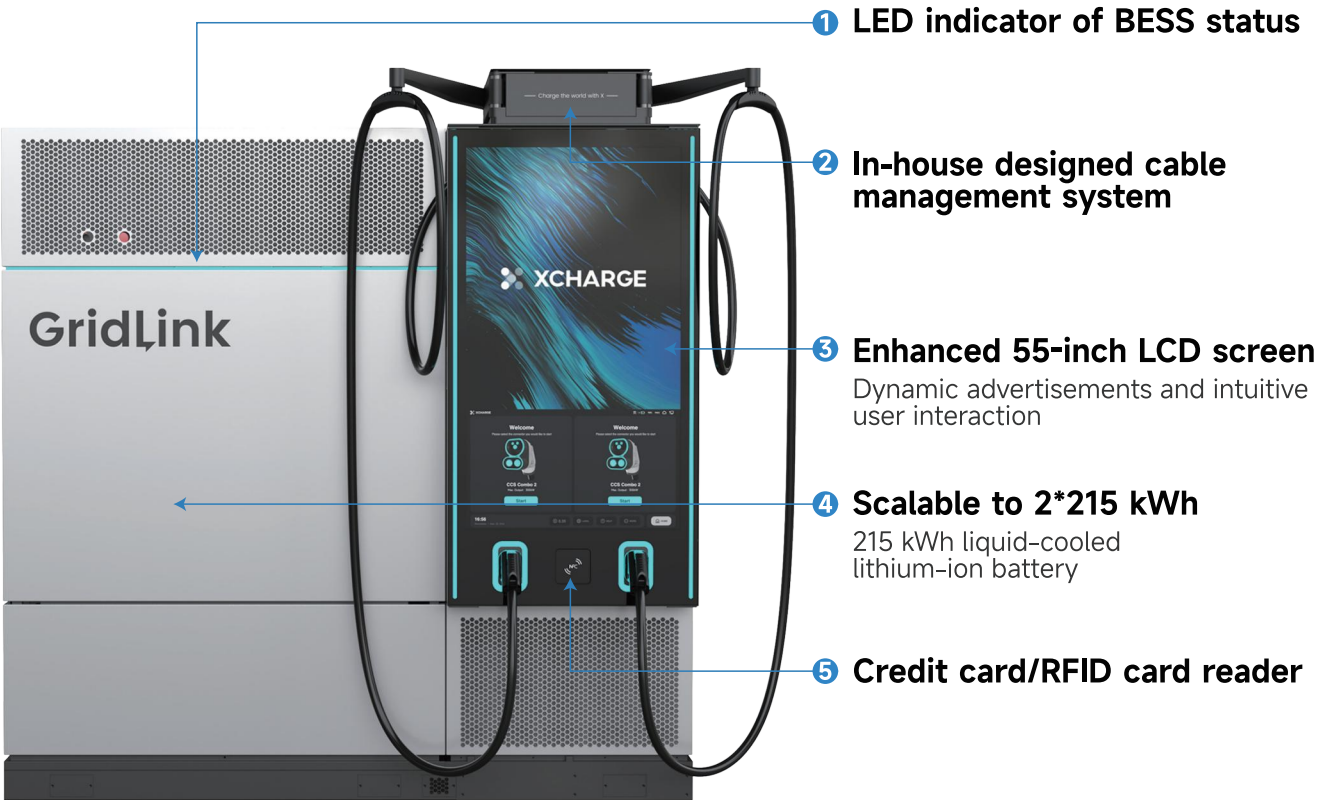
Equipped with multi-layer thermal runaway protection, fire detection, and rapid response systems, ensuring the highest level of safety and reliability.



Seamless Renewable Energy Integration

Maximize sustainability with built-in photovoltaic (PV) functionality, offering up to 30 kW, allowing direct solar energy storage for a greener, more self-sufficient power solution.

System Overview

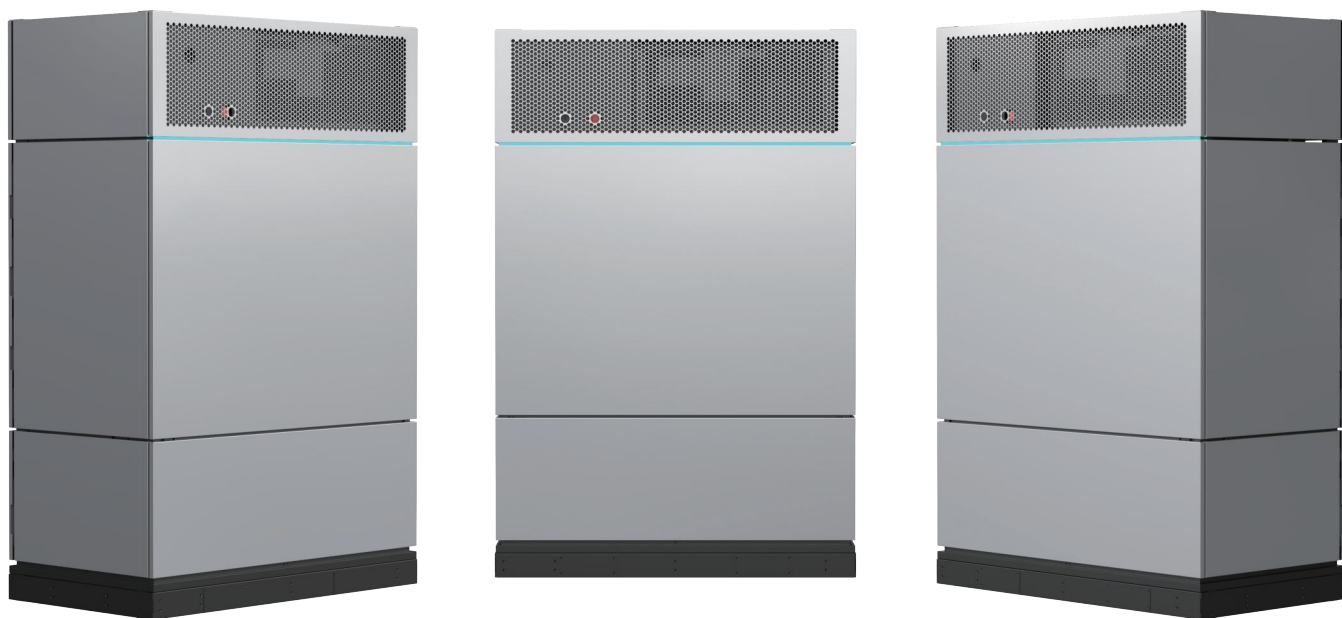


GridLink	DC Max.	Up To
Air-cooled	150 kW + 22 kW / 44 kW = 172 kW / 194 kW	194 kW
Liquid-cooled	180 kW + 60 kW / 120 kW = 240 kW / 300 kW	300 kW

Technical Specifications

GridLink		Air-Cooled		Liquid-Cooled	
Basic Parameter	Product Specification	Energy-storage-system integrated compact charging station	194 kW + 215 kWh (ESS extendable)	300 kW + 215 kWh (ESS extendable)	
		Type	DC charging station		
		Dimension(w*d*h)	Cable management and metal base	2236*970*2080 mm (Not included) 2236*1014*2366 mm (Included)	
		Installation	Floor type		
		Material	Industrial grade alloy		
		Color	Silver		
		Weight	3600 kg		
		Energy-Storage-System	Cell Type	LFP	
	Rated Energy		215 kWh / 2*215 kWh		
	Max. Recharge Power		22/44 kW	60kW/120kW	
	Battery Charging Rate		≤0.5C	≤0.6C	
	Battery Discharge Rate		≤1C		
	Battery Efficiency		≥94.5% under nominal situation		
	Charging System	Connectors	2		
		Charging Power	DC Max. 194 kW	DC Max. 300 kW	
		Power Distribution	2 connectors intelligent distribution		
		Efficiency	≥96.5%		
	Meter	AC Side	AC meter		
		DC Side	2-access DC meter		
	Cooling System	Battery Cooling	Liquid-cooled		
		Power Modules	Air-cooled	Liquid-cooled	
		Cable Cooling	Air-cooled		
	Fire Suppression System		Water	Aerosol, Water	
	Payment System		RFID, credit card		
	Connectivity		GSM & LTE & LAN		
	Communication		OCPP 1.6J / OCPP 2.0.1		
Environment Parameter	Applicable Site		Outdoors		
	Ambient Temperature		-25℃~55℃ (Over 45 °C derating)		
	Humidity		≤95%, no condensation		
	Altitude		≤2000m		
	Noise Emission		≤75dB under nominal situation		
	EMC Emission		Class A		
	Medium		No explosive hazardous materials; No toxic & harmful gases.		
	Interference		Without strong vibration and shock; No strong electromagnetic interference		
	Input & Output	AC Side Voltage		3-phase 400V _{AC} ±10%	
		Input Frequency (AC)		50/60 Hz	50Hz±1
DC Voltage Range		150-1000 VDC	200VDC-1000VDC		
DC Constant-Power Voltage Range		300-1000 VDC			
Nominal Power Output (Rectifying Mode)		194 kW	300 kW		
Nominal Power Output (Off-Grid Mode)		150 kW	180 kW		
Nominal Power Output (To-Grid Mode)		44 kW (Including auxiliary power consumption)	120 kW (Including auxiliary power consumption)		
DC Current Output		Max. 375A CCS2 continuously (boost 500A), optional 250A CCS2 continuously (boost 400A); Max. 646A for whole charger			
Additional Function	Photovoltaics	Input voltage range: Max power input:	300-740 VDC 30 kW	300-825 VDC 60 kW	
	Off-Grid Function		Able to charge EV when blackout; Able to provide energy to an AC load when blackout		
Safety	IP Ranking		IP54		
	Safety Protection		Input protection, Overcurrent protection, Lightning protection, Over-temperature protection, Output over-voltage protection, Fan protection, Short circuit protection, Emergency button, Flood protection, Ground protection, Dumping protection, Smoke protection		
Standard	Battery		IEC 62619, IEC63056, IEC 60730, EN 62477-1, EN 61000-2/-4, IEC 62933-5-2		
	System Level		IEC 62619, IEC61851, IEC62477, IEC61000, ISO15118		

Innovative In-house Battery Solution



Battery Highlights



Pack-Level Fire Suppression

Each pack is equipped with 4 sensors (CO, H₂, air pressure, and light) and features 3 security levels. It supports early warning and automated response, with the world's first built-in water tank for enhanced safety.



SoC Active Balancing at the Cell Level

Utilizes unique active balancing technology at the cell level, transferring energy from higher to lower cells with a 10A current, maximizing efficiency and ensuring more stable performance.



Advanced Temperature Control

Equipped with a triple-layer side liquid cooling system, providing 2.38 times more heat dissipation surface than competitors, efficiently maintaining a constant temperature of 37°C.



Unparalleled Safety

Built to meet leading safety standards—including UL 1973 and NFPA 855 (2023). Gas concentration is maintained below 25% LFL, aligned with NFPA 69 for fire prevention.



Easy Maintenance with Pack-Level Replacement

Designed for easy maintenance, enabling straightforward pack-level replacement.

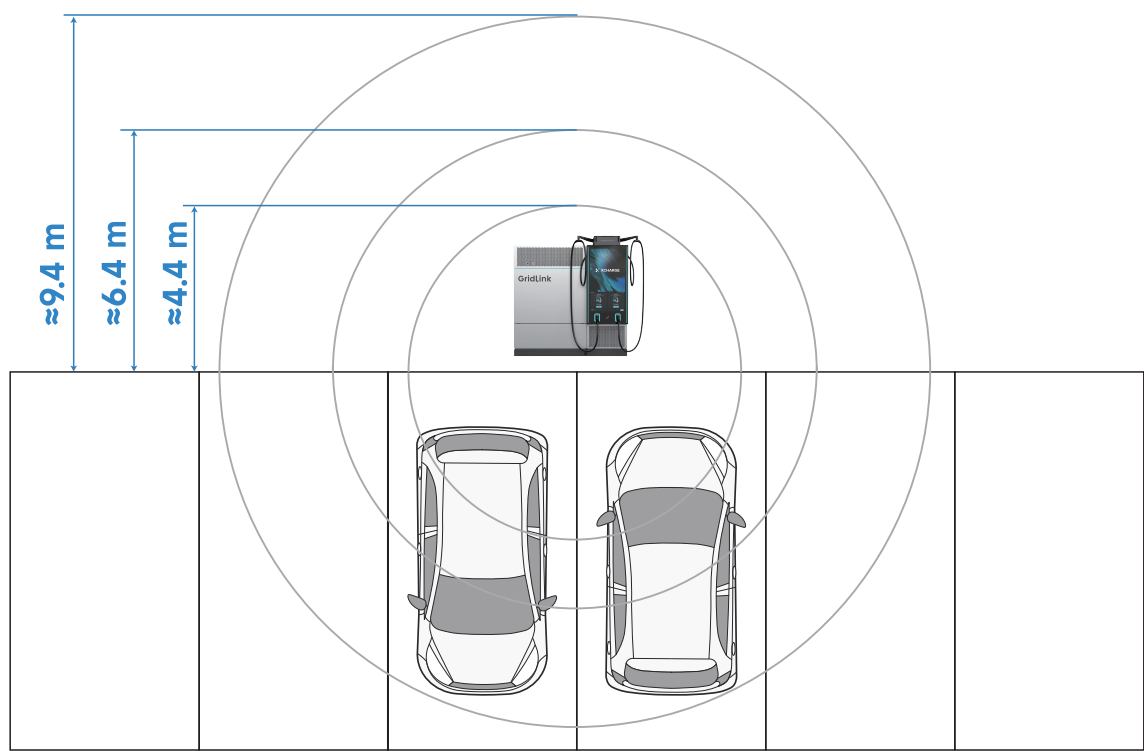
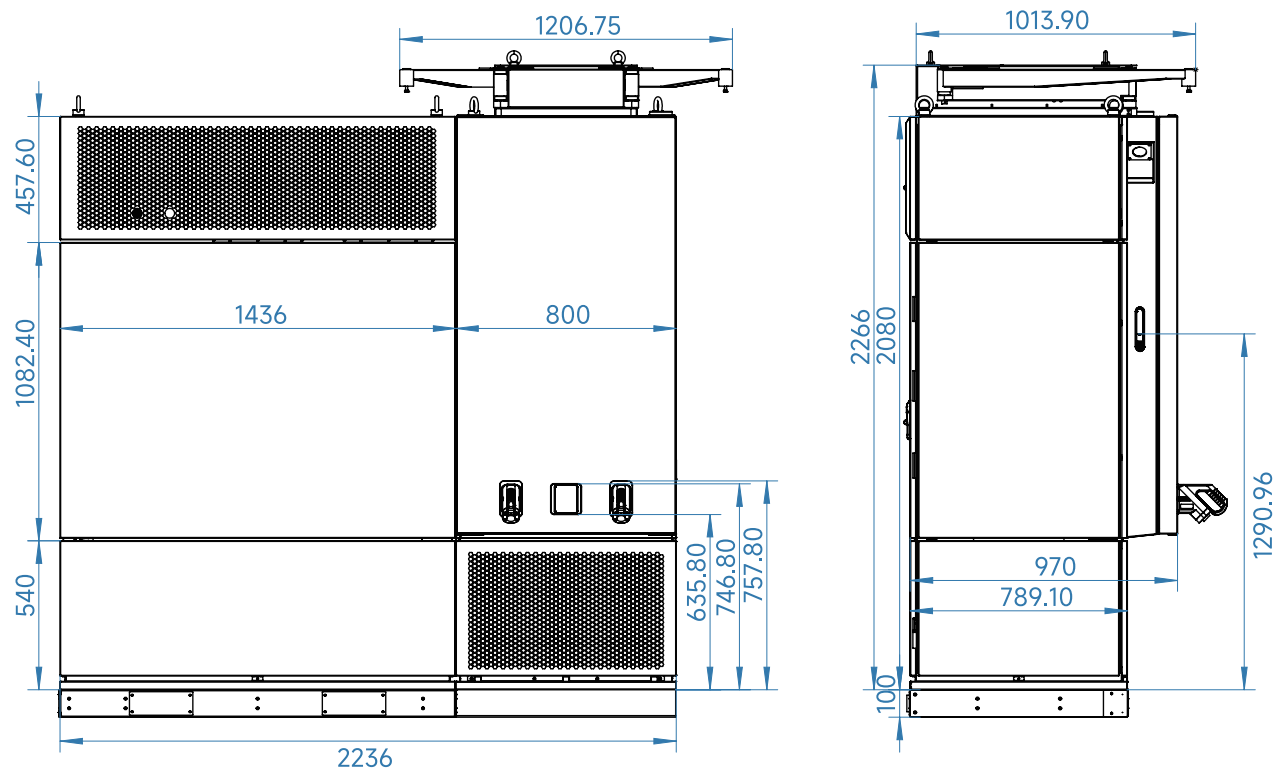


High-Power Performance (Up to 1C)

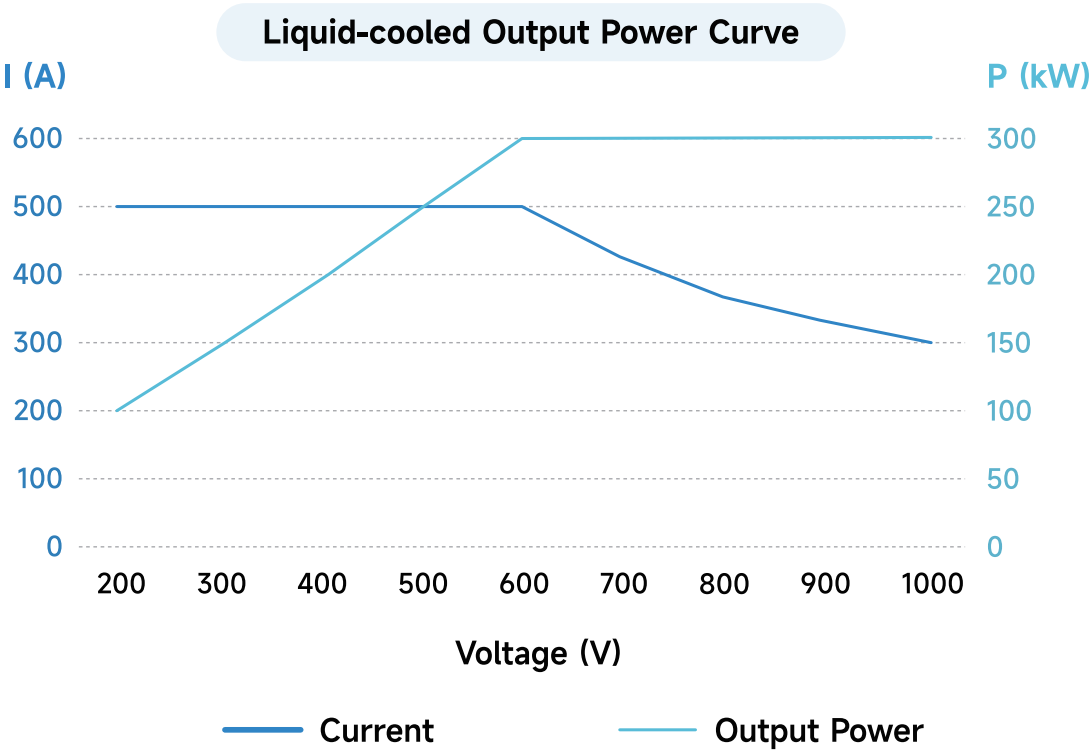
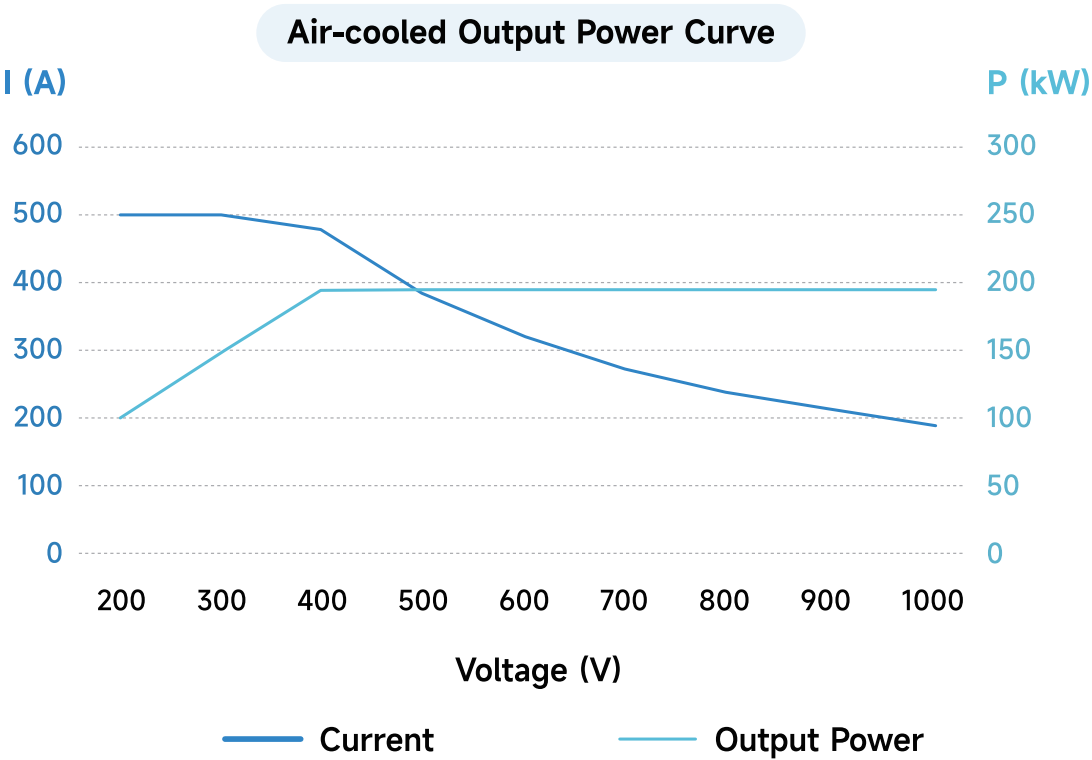
Delivers fast 1C charge/discharge rates, reducing the number of battery packs required and maximizing return on investment.

Mechanical Dimensions

Unit: mm



Output Power Curve



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