

PolarS600V



Introducing our high-capacity 60kW chiller: engineered for powerful performance, scalability, and long-term reliability. Designed for large-scale Battery Energy Storage Systems (BESS) that demand robust cooling solutions matched with long life reliability, this unit delivers consistent thermal management across a wide range of operating conditions

Key Features

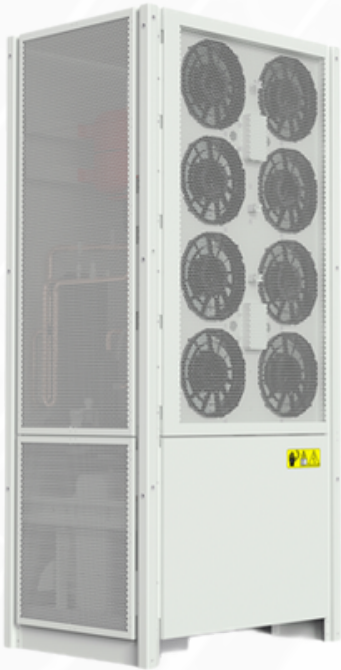
High-capacity 60kW cooling output to handle the demands of large-scale energy storage systems

Wide and flexible operating range for reliable performance under varying load conditions

Plug-and-play solution with all components fully integrated, ensuring easy installation and simplified maintenance

Sustainable and energy-smart operation with optimized flow, reduced noise, and lower environmental impact

Rugged, long-life construction with built-in safety protections for dependable performance in demanding environments



Ideal for utility-scale BESS projects, renewable energy facilities, and other mission-critical environments where high-capacity, scalable, and sustainable cooling is essential for safety, efficiency, and system longevity.

CHILLER MODEL		PolarS600V	
Technical Specifications			
Cooling capacity	60kW	Coolant	50%50% Glycol / Water
Cooling capacity range	25~60kW	Coolant flow rate	500L/min @ 150kPa
Heating capacity	16kW	Coolant outlet temp. range	15~35°C
Ambient temperature range	-30°C ~ + 60°C	Communication protocol	CAN2.0 / RS485
Nominal COP (Cooling)	≥2,0 (@45°C Ambient)	Control target	Operating Mode & Target Coolant Temperature
Refrigerant	R32	Noise	<80db(A)
GWP	~675	IP rating	IP67
No of refrigerant circuits	One	Dimension	L1070xW820xH2400mm
Type of compressor	Scroll	Total weight	<350kg
High voltage	380-480VAC±15%	Inlet/Outlet	DN50
Low voltage	24VDC	Certifications	CE/UL
Corrosion protection	C5-M	Appearance color	RAL7035 (customizable)

