

PolarS250V



Introducing our high-performance 25kW chiller - engineered for efficiency, built for reliability. Designed specifically for Battery Energy Storage Systems (BESS) that require optimized cooling at a lower lifecycle cost, this unit delivers stable performance in a compact footprint.

Key Features

- High-efficiency 25kW cooling capacity** for precise and reliable thermal management
- Plug-and-play solution** with all components fully integrated, ensuring easy installation and simplified maintenance
- Sustainable and energy-smart operation** with optimized flow design, low noise levels, and reduced operating costs
- Robust and durable build** with advanced safety protections for continuous, long-life performance even in tough environments



Ideal for BESS applications, renewable energy projects, and other mission-critical environments where precise temperature control and reliable operation directly impact performance and safety.

CHILLER MODEL		PolarS250V	
Technical Specifications			
Cooling capacity	25kW	Coolant	50%50% Glycol / Water
Cooling capacity range	10~25kW	Coolant flow rate	250L/min @ 90kPa OR 360-400L/min @ 140kPa
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	<78db(A)
GWP	~675	IP rating	IP67
No of refrigerant circuits	One	Dimension	L1200xW440xH2400mm
Type of compressor	Rotor	Total weight	<300kg
High voltage	380-480VAC±15%	Inlet/Outlet	DN50
Low voltage	24VDC	Certifications	CE/UL
Corrosion protection	C5-M	Appearance color	RAL7035 (customizable)

