PolarS400V



Introducing our versatile 40kW chiller - engineered to deliver balanced performance, efficiency, and durability. Perfectly suited for medium-scale Battery Energy Storage Systems (BESS), this unit bridges the gap between compact and high-capacity cooling, ensuring consistent thermal management and optimized lifecycle costs.

Key Features

Balanced 40kW cooling capacity designed for medium-scale BESS and demanding mission-critical applications

Wide operating range and precise temperature control for reliable performance in variable load conditions

Fully integrated plug-and-play design with simplified installation and low-maintenance operation

Sustainable operation with optimized energy efficiency, low noise levels, and reduced total cost of ownership

Robust and long-life construction with advanced safety protections for dependable operation



Ideal for commercial- and industrial-scale BESS projects, renewable energy facilities, and other mission-critical systems where dependable, energy-smart cooling is essential for safety, uptime, and performance longevity.

		PolarS400V	
Technical Specifications			
40kW	Coolant	50%50% Glycol / Water	
10~40kW	Coolant flow rate	250L/min @ 90kPa OR	
		360-400L/min @ 140kPa	
16kW	Coolant outlet temp. range	15~35°C	
-30°C ~ + 60°C	Communication protocol	CAN2.0 / RS485	
≥2,0 (@45°C Ambient)	Control target	Operating Mode & Target Coolant Temperature	
R513a	Noise	<80db(A)	
~629	IP rating	IP67	
Two	Dimension	L980xW630xH2400mm	
Rotor	Total weight	<300kg	
380-480VAC±15%	Inlet/Outlet	DN50	
24VDC	Certifications	CE/UL	
C5-M	Appearance color	RAL7035 (customizable)	
	40kW 10~40kW 16kW -30°C ~ +60°C ≥2,0 (@45°C Ambient) R513a ~629 Two Rotor 380-480VAC±15% 24VDC	40kW Coolant 10~40kW Coolant flow rate 16kW Coolant outlet temp. range -30°C ~ + 60°C Communication protocol ≥2,0 (@45°C Ambient) Control target R513a Noise ~629 IP rating Two Dimension Rotor Total weight 380-480VAC±15% Inlet/Outlet 24VDC Certifications	