

ST245CS-S-2H

NEW

PowerStack Liquid Cooled C&I Energy Storage System



LOWER COST

- Integrated Pre-installation: Pre-installation and pre-commissioning reduces on-site commissioning work
- AI-Controlled Heat Saving: Innovative AI-controlled thermal balance cuts down daily system heat loss by 33%
- Precise Liquid-Cooling Temperature Equalization: Liquid-cooled balanced heat dissipation keeps the cell temperature difference $\leq 2.5^{\circ}\text{C}$



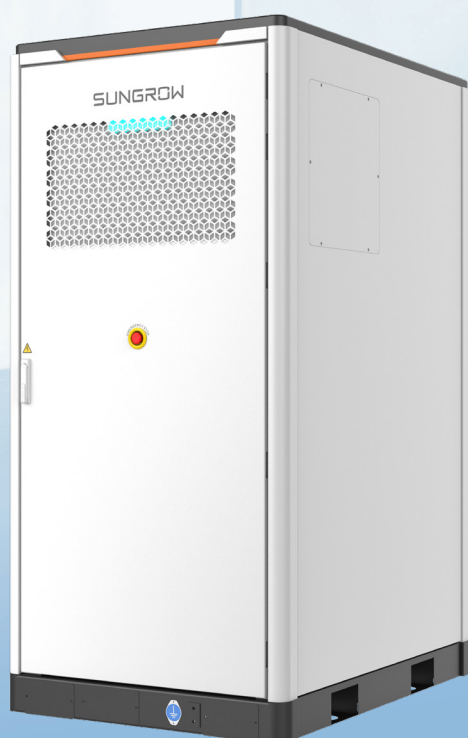
SAFE AND RELIABLE

- AI-Monitored Cell Health: AI monitors cell health and gives early warnings for thermal runaway
- Electrical safety management, overcurrent fast breaking and arc extinguishing protection
- Three-level fire-prevention Design: Three-level fire-prevention design with accurate early warnings for thermal runaway to prevent fires



SMART AND ROBUST

- Cloud-based Intelligent Monitoring: Monitor via iSolarCloud App or web cloud for real-time alarms and troubleshooting
- Wireless Intelligent Operation and Maintenance: Near-far-end wireless intelligent operation and one-key remote upgrade reduce operation and maintenance costs



Technical data		ST245CS-S-2H
DC side		
Cell type		LFP 3.2 V / 314 Ah
System battery configuration		248S1P
Nominal capacity		249 kWh
Nominal voltage range		669 V ~ 880 V
Depth of charge and discharge		0 % ~ 100 %
System parameter		
Dimensions (W * H * D)		1150 mm * 2450 mm * 1610 mm
Weight		≤ 2800 kg
Degree of protection		IP55
Anti-corrosion degree		C5
Auxiliary power supply		External power supply
Operation humidity range		0 % ~ 100 %
Operation temperature range		-30 °C ~ 50 °C (> 40 °C derating)
Max. operating altitude		3000 m
Temperature control method		Intelligent liquid cooling
Noise		≤ 65 dB @ 1 m
Fire suppression system		Combustible gas detector, Smoke detector, Heat detector, Alarm sounder, Hot aerosol fire extinguishing equipment
Communication interface		Ethernet
Communication protocol		Modbus TCP
Standard		IEC62619, IEC63056, IEC62040, IEC62477, IEC61000, IEC62933, UN 38.3, UL9540A