SUNGROW
Clean power for all

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 ≤ 2.5℃

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 ℃ ~ 50 ℃ (> 40 ℃ 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

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