ST5015kWh-2500kW-2h
ST5015kWh-1250kW-4h

PowerTitan 2.0 Liquid Cooled Energy Storage System

NEW



OPTIMAL COST

- Intelligent liquid-cooled temperature control system to optimize the auxiliary power consumption
- Pre-assembled, no battery module handling on site, transportation of complete system

SAFETY AND RELIABLE

- Electrical safety management, overcurrent fast breaking and arc extinguishing protection
- The electrical cabinet and battery cabinet are separated to prevent thermal runaway

EFFICIENT AND FLEXIBLE

- High-efficiency heat dissipation, increase battery life and system discharge capacity
- Front single-door-open design, supporting back to back layout drawing
- Function test in factory, limited on-site work, accelerate commissioning process

CONVENIENT O&M

- One-click system upgrade
- Automatic coolant refilling design
- Online intelligent monitoring

SUNGROW
Clean power for all

Technical Data	ST5015kWh-2500kW-2h	ST5015kWh-1250kW-4h
DC side		
Cell type	LFP 3.2 V / 314 Ah	
Battery configuration	416S12P	
Nominal capacity	5015 kWh	
Nominal voltage range	1123.2 V - 1497.6 V	
AC side		
Nominal AC power	210 kVA * 12	210 kVA * 6
AC current distortion rate	< 3 % (Nominal Power)	
DC component	< 0.5 %	
Nominal AC voltage	690 V	
AC voltage range	621 V - 759 V	
Termination (LV)	352 A * 3 Phase * 6	352 A * 3 Phase * 3
Power factor	> 0.99 (Nominal Power)	
Adjustable range of reactive power	- 100 % - 100 %	
Nominal frequency	50 Hz	
Isolation method	Transformerless	
System parameter		
Dimension (W * H * D)	6058 mm * 2896 mm * 2438 mm	
Weight	42500 kg	42000 kg
Degree of protection	IP55	
Anti-corrosion Degree	C3	
Operation Ambient Temperature Range	- 30 ℃ - 50 ℃ (> 45 ℃ Derating)	
Operation humidity range	0 % - 100 % (Non-condensing)	
Maximum Operation Altitude	4000 m	
Temperature Control Method	Intelligent Liquid Cooling	
Fire suppression system	FACP, FK5112, Flammable gas detector, Smoke detector, Heat detector, Sounder beacon, Alarm bell, War ning sign, Extinguishant abort button, Ventilation system, Pressure relief port, Manual automatic switching and emergency starting device(Default) Sprinkler, Vent panel, Aerosol (Optional)	
Communication	Ethernet	
Standard	IEC61000, IEC62619, IEC62933,AS3000,UKCA,G99,UN38.3/UN3536,CE,IEC62477	

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