

ST5015kWh-2500kW-2h-US

ST5015kWh-1250kW-4h-US

NEW

PowerTitan 2.0 Liquid Cooled Energy Storage System



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



Product Name	ST5015kWh-2500kW-2h-US	ST5015kWh-1250kW-4h-US
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	607 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 % to 100 %	
Nominal frequency	60 Hz	
Isolation method	Transformerless	
System parameter		
Dimension (W * H * D)	6058 mm * 2896 mm * 2438 mm 238.5" * 114.0" * 96.0"	
Weight	42500 kg 93696.5 lbs	42000 kg 92594.0 lbs
Degree of protection	Type 3S	
Anti-corrosion degree	C3	
Operation ambient temperature range	- 30 °C - 50 °C (> 45 °C Derating) -22 °F - 122 °F (> 113 °F Derating)	
Operation humidity range	0 % - 100 % (Non-condensing)	
Maximum operation altitude	3000 m 9842.5 ft	
Temperature control method	Intelligent Liquid Cooling	
Fire suppression system	NFPA 68 compliance vent panel, smoke and heat, detectors, Mini FACP(Default) Sprinkler, sound beacon, NFPA 69, compliance ventilation system, Flammable Gas detector (Optional)	
Communication	Ethernet	
Standard	UL 9540A, NFPA 855, NFPA 68, NFPA69 (with optional purchase) IEEE1547: 2018, UL1973,UL1741SB, UL9540	