

ST5015UX-6H

PowerTitan 2.0 Liquid Cooled Battery Energy Storage System Container



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
- Long-term operation maximizes return



SAFE 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	ST5015UX-6H
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	127 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)	212 A * 3 Phase * 3
Power factor	> 0.99 (Nominal Power)
Adjustable range of reactive power	-100 % ~ 100 %
Nominal frequency	50 Hz / 60 Hz
Isolation method	Transformerless
System parameter	
Dimension (W * H * D)	6058 mm * 2896 mm * 2438 mm
Weight	42000 kg
Degree of protection	IP55
Anti-corrosion degree	C4
Operation temperature range	-30 °C ~ 50 °C (> 45 °C Derating)
Operation humidity range	0 % ~ 100 %
Max. operation altitude	4500 m
Temperature control method	Intelligent Liquid Cooling
Fire suppression system	Default: FACP, FK5112, Flammable gas detector, Smoke detector, Heat detector, Sounder beacon, Alarm bell, Warning sign, Extinguishant abort button, Ventilation system, Pressure relief port, Manual automatic switching and emergency starting device Optional: Sprinkler, Vent panel, Aerosol
Communication	Ethernet
Standard	IEC 61000, IEC 62619, IEC 62933, G99, UN 38.3 / UN 3536, CE, IEC 62477