

ST5015UX-2H

ST5015UX-3H

ST5015UX-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



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-2H		ST5015UX-3H	ST5015UX-4H
DC side				
Cell type	LFP			
Battery configuration	3.2 V / 314 Ah			
Nominal capacity	416S12P			
Nominal voltage range	5015 kWh			
	1123.2 V ~ 1497.6 V			
AC side				
Nominal AC power	210 kVA * 12	127 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	212 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 / 60 Hz			
Isolation method	Transformerless			
System parameter				
Dimension (W * H * D)	6058 mm * 2896 mm * 2438 mm			
Weight	42500 kg	42500 kg	42000 kg	
Degree of protection	IP55			
Anti-corrosion degree	C4			
Operation temperature range	-30 ℃ ~ 50 ℃ (> 45 ℃ 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, Explosion vent panel, Aerosol			
Communication	Ethernet			
Standard	IEC 61000, IEC 62619, IEC 62933, G99, UN 38.3 / UN 3536, CE, IEC 62477			