

# ST5015UX-8H-US

PowerTitan 2.0 Liquid Cooled Battery Energy Storage System Container



## OPTIMAL COST

- Intelligent liquid-cooled temperature control system reduces auxiliary power consumption
- All-in-one design with pre-assembled battery modules, PCS, and connections
- Long-term operation maximizes return



## SAFE AND RELIABLE

- Multiple layers of overcurrent protection ensure electrical safety
- UL9540A and UL9540 dual certification



## EFFICIENT AND FLEXIBLE

- Efficient thermal design increases battery lifecycle and discharge capacity
- Front single-door-open design, back-to-back layout
- The factory function test availability accelerates on-site commissioning



## CONVENIENT O&M

- One-click system upgrade
- Automatic coolant refilling design
- Technical support provided by Sungrow local service team

Product name	ST5015UX-8H-US
<b>DC side</b>	
Cell type	LFP 3.2 V / 314 Ah
Battery configuration	416S12P
Nominal capacity	5015 kWh
Nominal voltage range	1123.2 V ~ 1497.6 V
<b>AC side</b>	
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	607 V ~ 759 V
Termination (LV)	318 A * 3 Phase * 2
Power factor	> 0.99 ( Nominal Power )
Adjustable range of reactive power	- 100 % ~ 100 %
Nominal frequency	60 Hz
Isolation method	Transformerless
<b>System parameter</b>	
Dimension ( W * H * D )	6058 mm * 2896 mm * 2438 mm 238.5" * 114.0" * 96.0"
Weight	42000 kg / 92594.0 lbs
Degree of protection	Type 3S
Anti-corrosion degree	C4
Operation temperature range	-30 °C ~ 50 °C -22 °F ~ 122 °F
Operation humidity range	0 % ~ 100 %
Max. operation altitude	3000 m / 9842.5 ft
Temperature control method	Intelligent Liquid Cooling
Fire suppression system	Default: NFPA68 deflagration venting system, smoke and heat detectors, Mini-FACP Optional: Sprinklers, horn strobes, NFPA69 ventilation system, combustible gas detectors
Communication	Ethernet
Standard	UL 9540, UL 9540A, NFPA 855, NFPA 68, NFPA69 (optional) IEEE 1547, UL 1973, UL1741, UL 1741SA&SB