LIVOLTEK

V1.0-202603 Edition
Design and specifications are subject to change without notice

ADVANCED ENERGY STORAGE SYSTEM

BHF-X5015-S/C

The BHF-X5015-S is an advanced energy storage system featuring high-density battery technology and intelligent cluster-level management, designed to deliver superior performance across diverse power scenarios with enhanced safety and easy maintenance.

High Efficiency Design

- 314Ah large-capacity cells for superior energy density
- Cluster-level management optimizes system performance

Wide Applicability

- Broad operating temperature range with IP55 protection
- Suitable for grid-side and user-side applications

Enhanced Safety

- Multi-level electrical protection design
- Dual gas and water fire suppression systems

Smart Maintenance

- Modular design for easy servicing
- Intelligent management reduces operating costs

ADVANCED ENERGY STORAGE SYSTEM

BATTERY

BHF-X5015-S/C





Model	BHF-X5015-S/C
DC Parameters	
Nominal Energy	5015kWh
Cell Type	LFP, 3.2V/314Ah
Battery Configuration	12P416S
Cooling	Intelligent Liquid Cooling
Nominal Voltage Range	1164.8 ~ 1497.6V
Max. Charge/Discharge Rate	0.5P
Nominal Voltage	1331.2V
System Parameters	
Battery Energy Efficiency	⩾94%[1]
Operating Temperature	-30 ~ 55°C(>45°C derating)
Operating Humidity	⩽95%RH (non-condensing)
Max. Operating Altitude	<4000m (>2000m derating)
Noise	<80 dB[2]
Ingress Protection	IP55
Anti-corrosion Degree	C4M
Weight	42000kg
Fire Protection	Flammable gas detector, Smoke detector, Automatic aerosol-based fire suppression system, Water based fire suppression system
Communication Interface	Ethernet/CAN/RS485
Dimension (W*H*D)	6058*2896*2438mm

Note: [1] Excludes auxiliary power consumption of the entire container system.
[2] 80 dB(A) at 1 m distance, rated power operation, 25°C ambient temperature