

NoahX

Liquid-Cooling Energy Storage System

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Sunwoda liquid-Cooling Energy Storage System adopts advanced Liquid cooling integration technology, integrating batteries, temperature control, fire protection, distribution, Lighting, on-site monitoring, etc., widely applicable in various links of the power system such as generation, transmission, distribution, and utilization, covering multiple scenarios including new energy absorption, volatility suppression, auxiliary services (peak shaving and frequency regulation), emergency backup power, etc.

Product Features



Ultimate Safety

- Multiple Fire Protection Measures
- Multi-Level Fuse Design, Progressive Protection
- Compliance with NFPA855 Safety Design Requirements
- Compartmental Arrangement, Isolation of Fire Sources
- Avoidance of Thermal Runaway



Precise Management

- Fine Management of Temperature and Humidity
- Thermal Runaway Warning, Firefighting Interlocking
- Thermal Runaway Monitoring, Rapid Identification and Precise Positioning



Cost Reduction and Efficiency Improvement

- High Energy Density, High Integration
- Unique Flow Channel Design, improves Battery Temperature Uniformity
- Sunwoda Special Energy Storage Battery, Ultra-Long Life, High Performance



Flexibility and Convenience

- Modular Design, Flexible Capacity Configuration
- High Integration, Convenient for Transportation, Installation, and Deployment
- Supports Multiple integration Methods such as Centralized and Series-Connected

Product Model	NoahX-1500/2752-L	NoahX-1500/5015-L2
Cell Type	LFP	LFP
Cell Specifications	3.2V/280Ah	3.2V/314Ah
Grouping Method	8P384S	12P416S
Nominal Capacity	2752kWh	5015kWh
Nominal Voltage	1228.8V	1331.2V
Voltage Range	1036.8~1382.4V	1040~1500V
Standard Charge/Discharge Rate	0.5P	0.5P
Operating Environment Temperature	-30℃~50℃	-30℃~55℃
Operating Relative Humidity	5~95%	5~95%
Protection Level	IP55	IP55
Altitude ¹	3000m	3000m
Cooling Method	Liquid-Cooling	Liquid-Cooling
Dimensions W*L*H	6058*2438*2591mm	6058*2438*2896mm
Weight	29t	41t
Firefighting Method	Aerosol/Water Firefighting (Optional)	
System Communication Interface	Dry Contacts/CAN/Ethernet	
Certification ²	IEC61000, IEC62619, IEC62477, UL1973, UL9540A, UN38.3, NFPA68&69, NFPA855, AS3000	

¹ Deductions are required for altitudes over 2000m.

² Detail certification will be further clarified according to regional requirements.

Utility Energy Storage Project Cases



Sweden, Europe
Fast Frequency Regulation & Arbitrage
—
46MW/46MWh



NSW, Australia
Energy Storage Dc coupling
—
6MW/11MWh



Jinta Photovoltaic Energy Storage System Project, Gansu Province
—
60MW/120MWh



Qingyuan Agriculture-Photovoltaic Complementary Energy Storage Project, Guangdong Province
—
65MW/65MWh



Datong Photovoltaic Energy Storage System Project, Shanxi Province
—
30MW/30MWh



Neihuang Wind Utility Energy Storage System Project, Henan Province
—
30MW/60MWh



Shuozhou Peak Shifting and Frequency Regulation Demonstration Project, Shanxi Province
—
10MW/10MWh



Xinhe Agriculture-Photovoltaic Complementary Utility Generation Project, Hebei Province
—
12MW/24MWh



2011

Listed on the
Shenzhen
Stock Exchange



50000+

Employees



NO.1

Global 3C Battery
Shipments



NO.10

Global Power
Battery
Installed Capacity

Commercial and industrial Storage Project Cases



Huizhou Industrial Park, Guangdong Province
—
0.6MW/1.29MWh



Antarctic Scientific Expedition Station Microgrid Project
—
100MW/160MWh