

NoahX

Outdoor Energy Storage Battery Cabinet

Sunwoda Liquid-Cooling Outdoor Energy Storage Battery Cabinet is a highly integrated and flexibly deployable outdoor battery cabinet that supports elastic capacity expansion and flexible pairing with PCS, accommodating different rates and capacities for energy storage applications. This product can be applied in various scenarios such as distributed power stations, substations, industrial and commercial parks, smart buildings, communities, solar storage among others.



Product Features



Ultimate Safety

- Multiple Fire Protection Measures
- Multi-Level Fuse Design, Progressive Protection
- Compliance with NFPA855 Safety Design Requirements



Precise Management

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



Cost Reduction and Efficiency Improvement

- High Energy Density, High Integration
- Unique Flow Channel Design, Efficient Liquid Cooling
- Sunwoda Special Energy Storage Battery, Ultra-Long Life, High Performance



Flexibility and Convenience

- High Compatibility, Flexible configuration
- Short Project construction cycle with High integration
- Intelligent Control and Remote Monitoring via Client-side

Product Model	NoahX-344
Cell Type	LFP
Cell Specifications	3.2V/280Ah
Grouping Method	1P384S
Nominal Capacity	344kWh
Nominal Voltage	1228.8V
Voltage Range	1036.8~1382.4V
Standard Charge/Discharge Rate	0.5P
Maximum Charge/Discharge Rate	1P
Operating Environment Temperature	-30℃ ~ 55℃
Operating Relative Humidity	5 ~ 95%
Protection Level	IP55
Altitude ¹	2000m
Cooling Method	Liquid-Cooling
Dimensions W*L*H	1570*1350*2380mm
Weight	3.6t
Firefighting Method	Aerosol+Water Firefighting
System Communication Interface	CAN/RS485/Ethernet
Certification ²	IEC62619, IEC62477, UL1973, UL9540A, UN38.3, NFPA68&69, NFPA 855

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