BSLBATT®
Best Solution Lithium Battery

ESS-GRID SINOX4

Industrial air-cooled containerized ESS



A utility-scale battery energy storage solution built for large industrial sites, renewable energy integration, and grid-support applications. Delivering reliable, scalable, and intelligent energy management for modern power systems.

Wide Compatibility

Supports Modbus, CAN, Ethernet, and major industry standards.

Advanced Safety Protection

Integrated fire suppression, gas detection, and electrical protection.

All-in-One Design

Battery, PCS, EMS, and safety systems in one container.

Smart Grid Ready

Supports grid interaction and microgrid operation.

Intelligent EMS Control

Optimizes energy flow for higher efficiency and reliability.

Flexible Deployment

Supports both grid-tied and off-grid applications.

Model	ESS-GRID SINOX4
Battery Side Parameters	
Cell Type	314Ah/3.2V (LFP)
Battery Cluster Rated Voltage	DC768V
Battery Side Rated Capacity	314Ah*10
Series/ Parallel Configuration	10P*16S*15S
Battery Side Rated Energy	2411kWh / 241.1kWh*10
Battery Side Operating Voltage Range	DC 672.0V-852.0V
Rated Charge / Discharge Current	157A*10
AC Side Parameters (PCS)	
Rated AC Voltage	AC 400V, 3W+PE / 3W+N+PE
Rated AC Frequency	50Hz/60Hz
Rated/ Max. AC Power	375kW / 412kW
Rated AC Current	540A / 180A *3
Power Factor	-1 ~ +1
Current THD (THDi)	<3%
On-grid and Off-grid Switching	Equipped
Isolation Transformer	Equipped
Operating Mode	Grid-tied peak shaving & valley filling / Off-grid power supply backup
Protection	Over-temperature, low-temperature charging, overcurrent, short-circuit, overvoltage, undervoltage, DC bus protection, etc.
PV Side Parameters (Optional)	
PV Open-Circuit Voltage Range	250V - 652V (Boost mode)
PV Input Power	500kW
Number of MPPT Strings	10
General Parameters	
Operating Temperature	-20℃~+55℃
Operating Humidity	10% ~ 90% RH (non-condensing)
Altitude	3000m
Installation Method	Floor-mounted (ground installation)
Cooling Method	Air cooling
Fire Protection	Gas fire suppression system
Communication*	RS485, Ethernet, Modbus RTU/TCP
Protection Rating	Battery compartment: IP55 / Electrical compartment: IP54
Dimensions (WxDxH)	12192*2438*2896 mm
Weight	Approx. 32 tons
Warranty	10 Years

*Due to differences between projects, product dimensions and weight may vary slightly. The actual product shall prevail.

Copyright @ 2026 BSL NEW ENERGY TECHNOLOGY CO., LTD. All rights reserved.