

BATTLINK 4.24MWh C&I Energy Storage System

The energy storage system adopts a 20-foot standardized container integrated design, equipped with 314Ah or larger capacity Lithium Iron Phosphate (LFP) cells. It features a three-tier protection mechanism with pack-level fire protection, cluster-level fuse protection, and cabin-level pressure relief. This system is suitable for scenarios such as grid frequency regulation, renewable energy storage, and peak-valley arbitrage in industrial and commercial applications.



Product Characteristics

Smart and User-Friendly

- Real-time status monitoring and fault logging, enabling early fault warning and post-event analysis.
- Integration with cloud platforms, supporting multi-device access and multi-user sharing.

Efficient and Flexible

- High-efficiency liquid cooling, improving both battery life and system discharge capacity.
- Integrated design with pre-assembled system for easy transportation and maintenance.

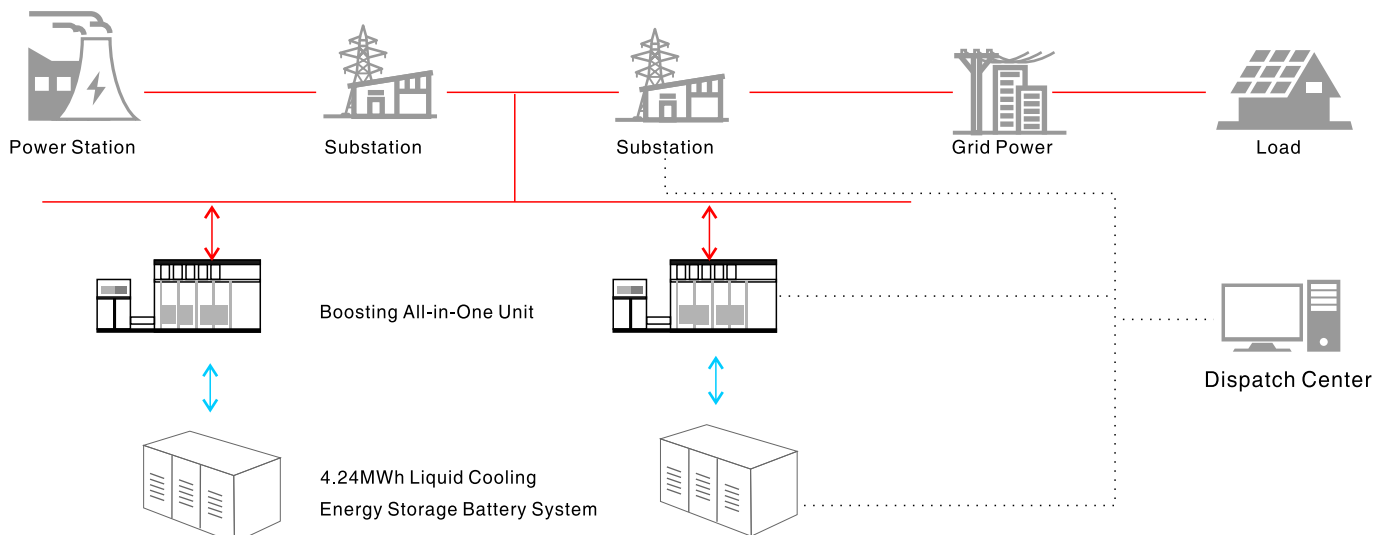
Safe and Reliable

- Battery pack IP67, energy storage system Ip55.
- Multiple circuit protection, fast overcurrent interruption, and arc protection.

Powerful Performance

- Supports multiple usage scenarios.
- Supports long-term 110% overload usage.

Product Topology





■ Technical Index

Product Model		BATT-CI-2000/4244-Y
Battery Specifications		
System Rated Energy		4244kWh
Rated Voltage		1228.8V
Voltage Range		1113.6V ~ 1363.2V
Battery Type		LFP, 3.2V314Ah
Battery Configuration		48S1P
Battery System Configuration		384S11P
Cycle Life		6000
AC Output Specifications		
Rated Power		2000kW
Rated AC Voltage		10kV
Rated Grid Frequency		50Hz
Maximum Input Current		115A
Overload Capacity		110%: Continuous operation, 120%: Not less than 1 minute
System Parameters		
Fire Protection System		Perfluorohexanone
Protection Level		IP55
Cooling Method		Liquid Cooling
Operating Temperature Range		-20~+60℃
Operating Humidity Range		0-95%
Operating Altitude		≤4000m
System Communication Interface		RS485,Ethernet
System Communication Method		Modbus-RTU, Modbus-TCP
Battery Compartment Weight		36T(79366lb)
Integrated Boosting Cabinet Weight		16T(35274lb)
Battery Compartment Dimensions (WxDxH)		6058*2438*2896mm(238.5*96*114inch)
Integrated Boosting Cabinet Dimensions (WxDxH)		5150*2700*2600mm(202.8*106.3*102.4inch)
Complies with Standards		UN38.3, EN50549-1, EN50549-2, IEC62619, IEC62477, IEC/EN 61000-6-2, IEC/EN 61000-6-4

