

ENERGY STORAGE CONTAINER

3.4MWh | 5MWh



Usage Scenarios

Functions such as Peak Shaving and Valley Filling, dynamic capacity expansion, and demand-side response can be achieved.



Flexible Configuration

High energy density, high integration, modular design, and flexible deployment and configuration expansion based on actual needs effectively reduce transportation and installation costs.



High Safety Performance

Health real-time online monitoring, safety early warning, multi-layer thermal insulation and fireproof design, 24/7 online monitoring.



Intelligent Operation and Maintenance

Cloud-edge collaboration, intelligent and user-friendly, real-time system monitoring, achieving system-level intelligent operation and maintenance management for batteries and electrical systems.

UTILITY SCALE ENERGY STORAGE SYSTEM

Model Type	3441	5016
Direct Current Parameters		
Battery Capacity / Type	280Ah / LFP	314Ah / LFP
Battery Configuration	1P384S * (10 or 9 or 8)	1P416S * 12
Direct Current Voltage Range	1017.6 ~ 1382.4 V	1102.4 ~ 1497.6 V
Rated Direct Current Voltage	1228.8 V	1331.2 V
Rated Battery Energy	3.441 MWh	5.016 MWh
Rated Charge and Discharge Current	140A (10 or 9 or 8)	157A * 12
Charge and Discharge Rate	≤ 0.5P	≤ 0.5P
Rated Power	Recommended External Connection 180kW * 10 / 1.7MW	Recommended External Connection ≤ 417kW * 6 / 1.25MW * 2
Communication Parameters		
Communication Interface	LAN, 4G, RS485, CAN	
Communication Protocol	Modbus/IEC60870-5-104/IEC61850, etc.	
Meets Certification Standards	GB/T36276, GB/T34131, IEC/EN62619, IEC/EN61000, UN38.3	
System Parameters		
Dimensions (W*H*D)	6250*2438*2896 mm	
Approximate Weight	36 tons	42 tons
Protection Level	IP55	
Corrosion Resistance Level	C4/C5	
Operating Temperature	-25 °C to -60 °C; > 45 °C reduces rated capacity	
Relative Humidity	0%~95% RH	
Altitude	≤2000m	
Cooling Method	PACK (Liquid Cooling)	
Fire Protection Plan	PACK-level fire protection, with an overall three-layer fire protection design	
Protection Functions	Overcurrent, over power, over temperature, over voltage, etc.	