



HYNER TECHNOLOGY

Utility-Scale BESS Solutions

Stabilizing Grids with High-Capacity, High-Reliability Storage.



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BESS SYSTEM Utility Scale Containerized Energy Storage System

Built with advanced LiFePO₄ battery cells, this containerized solution delivers safe, stable, and high-performance energy storage for utility-scale renewable integration, grid support, and large-capacity backup. Featuring 8500 life cycles, a 10-year calendar life, liquid cooling, and industry-recognized UL/CE/IEC certifications, it ensures resilience and reliability across complex power networks. Its modular, scalable design empowers utilities and enterprises to optimize renewable output, enhance grid stability, and secure dependable backup for mission-critical operations.



Technical Specification

No	Item	General Parameter	Remark
1	BESS	5015 kWh	
2	Assembling Method	12P416S	
3	Rated Voltage	DC 1331.2 V	
4	Rated Capacity (25±2°C, 0.5P)	3768 Ah	
5	Rated Energy (25±2°C, 0.5P)	5015 kWh	
6	Operating Voltage Range	1040 V ~ 1518.4 V	
7	Rated Charge/Discharge Rate	0.5P	
8	Cooling Method	Liquid cooling	
9	IP Rating	IP55 (battery holder), IP54 (electrical enclosure)	
10	Operating Temperature Range	Discharge: -30°C ~ 55°C; Recharge: 0°C ~ 55°C	
11	Reference Dimensions (W × L × H)	6058 × 2438 × 2896 mm	
13	Calendar Life	≥ 10 years	

*This data sheet may change without notice at the sole discretion of the manufacturer.



14	Cycle Life	8500 cycles @ 25°C ± 2°C, 0.5P, 70% SOH	
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