



Container Type Energy Storage Cabinet

5.01MWh



10000+ cycles

The system cycle life exceeds 10,000 times; it adopts large-capacity and long-life battery cells, along with cluster-level energy balance management.



Efficient heat dissipation

Efficient and intelligent liquid cooling temperature equalization control, with a system temperature difference of $\leq 3^{\circ}\text{C}$.



Cloud-edge & digital twin

Cloud-edge collaboration and digital twin technology enable remote intelligent monitoring; they enhance the whole-life-cycle revenue of power stations.

Basic Specifications	
Rated Capacity	3.2V/314Ah(LFP)
Voltage Range	1331.2V~1497.6V
Battery Configuration	12*1P416S
Maximum Charge/Discharge Rate	0.5CC/0.5CD
Rated Capacity on DC Side	5.01MWh

Performance & Safety Specifications	
DC Charge-Discharge Efficiency	95% (Rated Power)
Rated Charge-Discharge Rate	0.5P Charge/0.5P Discharge
Battery Type	LFP
Calendar Life	20 Years
Fire Protection System	Gas Fire Suppression System (Water-Based Fire Protection Optional)
Temperature Control Method	Liquid Cooling
Standard Fire Protection Configuration	PACK-Level Perfluorohexanone
Certification Standard	UL9540/UL9540A/CE/IEC/KC/KBI/GB/T 36276

System Parameters Specifications	
Weight	≈ 45t
Cabinet Overall Dimensions	6058*2896*2438mm/6250*2650*2896mm
Cabinet Protection Class	IP54
Operating Temperature Range	-40~55℃

Communication Specifications	
Communication Interface	CAN,RS485,Ethernet
Communication Protocol	CAN, Modbus RTU, Modbus TCP/IP