

ESS-DC-1250/2500-F、ESS-DC-3000/3000-F ESS-DC-2500/2500-Y、ESS-DC-1677/3354-Y Container BESS (DC Cabin)



Comprehensive Protection

Three-level BMS system provides all-around protection for the battery.



Integrated Design

Unified primary and secondary interfaces for quick configuration and use.



Safety and Stability

High-end cells with up to 6000 charge cycles and a 10-year lifespan.



Easy Maintenance

Non-walk-in cabin design.



Thermal Management System

Design of professional thermal management system, effectively improving the service life of the battery cell.



Powerful Function

Supports peak shaving, frequency regulation, peak shifting, demand response, and micro-grid applications.



Safety Assurance

Automated fire warning, gas, and water fire extinguishing systems.



High Altitude Operation

Maximum operating altitude up to 5000m, with mature high-altitude application cases.



Cabin Protection

Video surveillance, access control, water leak detection, and environmental monitoring for enhanced security.

Product model	ESS-DC-2500/ 5000-Y	ESS-DC-1250/ 2500-F	ESS-DC-3000/ 3000-F	ESS-DC-2500/ 2500-Y	ESS-DC-1677/ 3354-Y
Cell capacity	314Ah	280Ah	220Ah	280Ah	280Ah
Combination mode	2*6P416S	4*3P240S	2*5P416S	2*4P350S	9P416S
Rated energy	5015.96kWh	2580.48kWh	2928.64kWh	2508.8kWh	3354.624kWh
Nominal voltage	1331.2V	768V	1331.2V	1120V	1331.2V
Operating voltage	1164.8V~1497.6V	672V~864V	1164.8V~1497.6V	980V~1260V	1164.8V~1497.6V
Charge and discharge rate	0.5C	0.5C	1C	1C	0.5C
Container size	20feet	40feet	45 feet	20 feet	20 feet
Weight	≤42T	≤45T	≤50T	≤35T	≤40T
Operating temperature	-40°C~55°C				
Operating altitude	≤5000m				
Temperature control mode	liquid cooling	Air conditioning + intelligent air cooling		liquid cooling	
Fire fighting system	Automatic fire early warning + gas fire extinguishing system + water fire fighting system				
Protection degree	IP54				
Communication protocol	ModbusRTU/ModbusTCP/IEC 104/IEC 61850				
Standard	GB/T36276		GB/T36276,GB/T31484		