

**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							