

# Containerized Battery Energy Storage System

HEX2570-400-A



## Versatile Energy Management for Enhanced Efficiency

Balances grid load and increases renewable energy utilization.  
Responds to unexpected faults, improving power supply stability.  
Provides emergency power support to ensure continuous operation of critical loads.



## Highly Reliable Battery System with Precision Configuration

Modular Architecture: 10 clusters in parallel × 16 packs in series × 16 cells (160 packs total).  
High-Capacity Cells: Utilizes 314Ah individual cells for an optimally configured system capacity.  
Balancing Control: A three-tier BMS (BMU + BCMU + BAMS) ensures cell consistency.



## Comprehensive Safety Protection for Stable Operation

Cooling System: Precise temperature control enhances battery efficiency and service life.  
Fire Protection System: Features dedicated Novec 1230 fire suppression agent, effectively inhibiting lithium battery fires.  
Auxiliary Power Supply: Dual 220VAC/24VDC output ensures continuous power for HVAC, control, and fire suppression systems.



## Smart O&M Monitoring with Integrated Local & Remote Management

Communication System: Supports WiFi/4G remote data transfer, enabling both local debugging and cloud monitoring.  
Real-Time Diagnostics: Collects data from all nodes in real time for rapid fault identification.  
Multi-Platform Interaction: Synchronized monitoring via PC and mobile apps for efficient and convenient operation and maintenance.

Model		HEX2570-400-A
Dc side		
Cell type		LFP 314Ah
Battery Pack capacity and configuration		6.077kWh/1P16S
Battery capacity and number of Packs		2570kWh/10x16
Charge/discharge ratio		≤0. 5C
Depth of discharge		95%
Cycle index		8000cls (0.5P, 25±2°C, @70%SOH)
Number of temperature sensors		1280
Inverter DC side		
Rated current		157A*10
Rated power		1285kW
Number of input branches	20 channels (Each cluster can be optionally equipped with 2 PV MPPT controllers)	
Rated current		168Ax20 channels
Rated power		120kWx20 channels
System		
Factory SOC set value		30%-50%
Battery voltage range		716.8V~921.6V
Rated voltage		819.2V
Operating temperature		-30~ 55°C (Derating use over 40 °C)
Relative humidity		0 ~95% RH , no condensing
Dimensions		6058(W)*2438(D)*2896(H)mm
Weights		<26T
IP grade		Container (IP54)
Noise		<70dB
Cooling method		Air cooling
Other parameters		
Related Certifications	UN38.8 / Transportation Hazard Report /Classification Society Certification	