

# Containerized Battery Energy Storage System

HEX2058-480-A  
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: 8/10 clusters in parallel × 16 packs in series × 16 cells  
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	HEX2058-480-A	HEX2570-400-A
<b>Dc side</b>		
Cell type	LFP 314Ah	
Battery Pack capacity and configuration	16.077kWh/1P16S	
Battery capacity and number of Packs	2058kWh/8x16	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	1024	1280
<b>Inverter DC side</b>		
Rated current	157A*8	157A*10
Rated power	1029kW	1285kW
Number of input branches	16 channels (Each cluster can be optionally equipped with 2 PV MPPT controllers)	20 channels (Each cluster can be optionally equipped with 2 PV MPPT controllers)
Rated current	168Ax16 channels	168Ax20 channels
Rated power	120kWx16 channels	120kWx20 channels
<b>System</b>		
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	
<b>Other parameters</b>		
Related Certifications	UN38.8 / Transportation Hazard Report /Classification Society Certification	