

Technical Specification

For

Containerized Energy Storage

Solution



Salient Features

- Third generation modular containerized energy storage system
- Compared with traditional product solutions, the delivery time is shortened by 1/2
- DC BUS networking technology ensures 100% availability of battery cluster capacity
- High-performance LFP battery for energy storage with cluster isolation technology; patented design to prevent open flame leakage
- Integrated transportation, integrated installation and quick deployment effectively reduce transportation and on-site construction costs.
- Modular design and partitioned operation and maintenance ensure that maintenance does not interfere with the operation of other modules, thus improving system availability
- Flexible configuration and module splicing on demand; Supports parallel coordinated control of multiple units; Supports DC coupling (photovoltaic).

Application Area

- Industrial Park Energy Storage
- Photovoltaic storage and charging integrated power station
- Rural Photovoltaic Storage Microgrid

Technical Specifications

Parameter	BK400C860	BK500C1075	BK600C1290	BK700C1505	BK800C1720
Battery Parameters					
Battery Type and Capacity	LFP-280Ah				
Battery Module	1P20S (P20)				
System Configuration	4*1P240S	5*1P240S	4*1P240S	4*1P240S	4*1P240S
System Capacity	860 kWh	1075 kWh	1290 kWh	1505 kWh	1720 kWh
AC Output Parameters					
Rated Output Power	400kW	500kW	600kW	700kW	800kW
Rated Voltage	AC 400V, 3P4W+PE				
Rated Frequency	50Hz+5Hz				
Max. Output Current	577A	722A	866A	1010A	1155A
Output THD	<3% (@rated power)				
Overload Capacity	110%, 10min; 120%, 60s				
General Parameters					
Isolation Transformer	No				
Protection Level	Battery Compartment: IP55; PCS Compartment: IP34				
Shell Corrosion Resistance Grade	C3				
Operating Temp.	-20°C~55°C				
Relative Humidity	0~95% (no condensation)				
Operating Altitude	2000m				
Colling Method	Battery Compartment: industrial air conditioning, PCS Compartment: Forced Air Cooling				
Noise Level	<=75dB				
Dimensions	6058x2438x2896 mm				
Weight	25000kg				
Fire Protection System	Fire Alarm & Hepafluoropropane or Perfluoroexanone				
Communication Interface and Protocol	Ethernet , Modbus TCP/IP				