

BESS-100KW/225KWH

MONTE-100TS + BHF-X225D

Long Life Cycle

- Utilizing top-tier LFP cells
- Ensures over 8,000 charging cycles with reliable performance

Easy Deployment

- Integrate PCS, STS and isolation transformer in a PCS cabinet, easy to deploy

High Efficiency

- Employing a single battery cluster configuration and efficient BMS technology
- Ensures no parallel battery loss

Proactive Safety System

- Proactive fire prevention with the warning safety unit for enhanced safety

Thermal Management System

- Air-cooling design
- Ensures higher efficiency and longer battery cycle life

Flexible System

- Battery packs can be decreased as needed
- PCS module number can be 1 or 2
- Strong impact resistance



BESS-100KW/225KWH
PCS100KW + BHF-225D

BESS

Product Model	BHF-X193		BHF-X209	BHF-X225
DC Side Battery Parameters				
Cell Type	LFP 3.2V / 280Ah			
Battery Module Specification	1P18S / 57.6V / 16.128kWh			
Number of Battery Module	12	13	14	
Battery System Configuration	1P216S	1P234S	1P252S	
Nominal Voltage	691V	748V	806V	
Operating Voltage	583 - 777V	631 - 842V	680 - 907V	
Total Energy	193kWh	209kWh	225kWh	
Rated Charge / Discharge Current	140A / 140A			
AC Side Parameters				
Rated Power	100kW			
Max. Power	110kVA			
Rated AC Voltage	400Vac, 3W+N+PE / 3W+PE*			
Rated Frequency	50 / 60Hz			
Overload Capacity	120%, 1min			
Power Factor	-1(Leading) - 1(Lagging)			
System Parameters				
Max. Efficiency of System	90%@0.25P, 88%@0.5P			
Depth of Discharge	100%			
Operating Temperature	-20°C to 60°C			
Operating Humidity	5% - 95%RH			
Operating Altitude	3000m (>3000m derating)			
Design Life	>15years@70%SOH, 25°C, 0.5P			
Communication	RS485 / Ethernet			
Auxiliary Power Supply	220Vac			
Temperature Control Mode	Industrial-grade air conditioner(Cooling+Heating)			
Refrigerating Capacity	5.0kW			
Heating Capacity	3.0kW			
Noise	< 70dB			
Ingress Protection	IP55			
Fire Protection System	Smoke, Temperature, Combustible gas, Aerosol (Passive+Active Suppression)			
BC Dimension(W*H*D)	1500*2120*1200mm			
Weight	2540kg	2670kg	2800kg	

*Note: Integrated STS, PCS & Isolation transformer in a cabinet for On-Grid/Off-Grid Use.