

BESS-125KW/261KWH

PCS-125K+BHF-X261D

The LIVOLTEK BHF-X Series is a versatile solution applicable to charging stations, factories, industrial parks, and commercial buildings. Designed for power storage, models BHF-X261 enable emergency power during outages, peak-load shifting, surplus energy trading, and virtual capacity enhancements. Boasting a high-density, modular design, this energy storage system minimize spatial needs, enhance transportability, and simplify installation and maintenance, ensuring top efficiency from deployment through operation.

High Performance

- Smaller size, high energy density
- Balanced between packs to improve energy utilization
- 3S fusion, short response time

Assured Safety

- Efficient liquid cooling temperature control to maintain optimal operating status
- With multi-level security architecture design such as cell level, PACK level, system level, cloud monitoring, etc.
- Multiple battery clusters are connected to independent modular PCS to achieve single cluster management of battery clusters and avoid capacity loss of parallel battery clusters

Intelligent Design

- Smart energy management cloud platform, cell-level refined monitoring and diagnosis
- All operating data of the energy storage system is connected to the cloud for real-time monitoring and unattended operation
- EMS supports 1-2 years of historical system data backup

Flexible Adaptability

- All in one design, flexible system expansion
- Occupying an area of only 1.35m², can be deployed in a dispersed manner, centrally dispatched, and convenient for flexible placement
- Pre-assembled at the factory, high system integration, simple transportation and deployment



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BESS

MODEL	BHF-X261E		BHF-X261U
Battery Parameters			
Battery Type	LFP 314Ah		
Battery Module Specification	52.24kWh / 1P52S		
Battery Capacity/kWh	261		
Rated DC Voltage/V	832		
Battery Voltage Range/V	728~936		
Rated Charge/Discharge Current/A	157		
AC Parameters			
Rated AC Power/kW	125		
Max. Apparent Power/kVA	137.5		
Rated AC Voltage/V	380/400	480	
Rated AC Frequency/Hz	50/60		
Adjustable Power Factor Range	-1 (Leading)~ 1 (Lagging)		
Max. Output Current/A	198.5	165. 4	
THDi(Rated power)	<3%		
GENERAL			
System Efficiency	88%		
Dimension (W*H*D) /mm	1000*2380*1350		
Weight/kg	2810		
Operation Temperature/℃	-30 ~ 60 ℃		
Relative Humidity	0 ~ 95%		
Max. Operating Altitude/m	4000 (>2000 derating)		
Cooling	Liquid Cooling		
Ingress Protection	IP54		
Anti-corrosion Level	C3/C5 optional		
Fire Protection	Aerosol /Water		
Topology	Non-isolated		
Communication Interface	RS485 / CAN / Ethernet / 4G / WiFi		
Certificates and Approvals	IEC 61000, IEC 62619, IEC 63056, IEC 62477, IEC 62933, RoHs, UN38.3		