

Commercial & Industrial ESS Product LFEI-125-233

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The LFEI series liquid-cooled industrial and commercial power supply system adopts a modular design concept, integrating energy storage inverters, lithium battery systems, and energy management systems. It provides a high-performance, long-life, and high-safety integrated smart energy storage solution for industrial and commercial scenarios.

Model: LFEI-125-233

Brand: sanhe

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Product Description



Product Advantages:

Intelligent Control

- Cloud-edge-device collaborative control empowered by big data algorithms
- Remote monitoring and configuration with simplified and convenient operation and maintenance
- Strategy optimization algorithms to maximize customer benefits

High Efficiency and Stability

- Efficient liquid cooling with battery cell temperature difference $\leq 3^{\circ}\text{C}$
- Core units adopt modular components/standard wiring harnesses
- Modular PCS

Safe and Reliable

- Battery cells from top-tier brands, Grade A cells
- Active and passive fire safety design
- Safety warning algorithms for early identification and handling

Flexible Configuration

- Supports parallel connection
- Integrated transportation for easy installation
- Flexible site installation and layout
- Modular design for convenient maintenance and upgrades

Technical Specification:

MODEL No.	LFEI-125-233
DC Parameter	
Cell Type	LFP280Ah
Battery System Configuration	1P260S
Rated Voltage	832V
Voltage Range	728-923V
Rated Energy	233kWh
Standard Charge/Discharge Current	140A
Max.Charge/Discharge Current	160A
Cooling Method	Liquid Cooling
AC Parameter	
Rated Charge/Discharge Power	125kW
Max.Charge/Discharge Power	150kW
Standard Charge/Discharge Current	182A
Rated Grid Voltage	400V
Grid Frequency Range	50Hz
THD	<3%(Rated Power)
Power Factor	>0.99
General Parameter	
System Efficiency	≥88%
Cycle Life	≥8000
Dimensions(W*D*H)	1175*1300*2310mm
Weight	2.73t
Operating Temperature	-20-55°C
Operating Humidity	0%-85%,RH
Altitude	≤2000m
Ingress Protection	IP54
Fire Safety	PACK-level&Aerosol
Communication Interfaces	RS485、Ethernet
Communication Protocols	Modbus、61850

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