

Portable Li-battery Energy Storage System



Description

The lithium battery energy storage system combines the characteristics of the traditional inverter and the battery charger. It contains a 50/100Ah lithium-iron phosphate battery, which can provide the load device with uninterruptible power supply. The LCD panel provides users with various parameter setting functions. At the same time, the simple button operation allows the user to set the battery charging current and the acceptable voltage range according to the usage environment, to meet various application levels.

This product is suitable for lithium battery communication backup power supply, mains emergency power supply, and provides protection and recovery functions for over-voltage, under-voltage, over-current, high temperature, low temperature and short circuit of the battery pack. Accurate measurement of SOC during charging and discharging, and SOH health status statistics. Achieve voltage equalization in the charging

process. Through the human-computer interaction of the host computer software, the alarm protection parameters such as voltage, current and temperature are displayed and set, and the real-time data and historical data of the operating state of the battery are stored and displayed. There are a variety of sleep and wake up methods. Parallel communication between battery packs is realized through the RS485 bus. Data communication with the host computer through RS485 communication, parameter configuration and data monitoring via host computer software human-computer interaction.

Specification

Model	BK4850-3KVA	BK48100-5KVA
Lithium Battery Capacity	50Ah	100Ah
Inverter Capacity	3KVA	5KVA
Rated Input Voltage	220VAC	
Input Voltage Range	170-255VAC	
Rated input frequency	50/60Hz	
Power Factor	pf=1.0	
Charging Current	10~60A	
Ac Output Voltage	220VAC	
Dc Output Voltage	43.2~56.4VDC	
Efficiency	>90%	
Transfer Time	<15 ms	
Harmonic Distortion	<5%	
Overload Capacity	≤125% 5min ; ≤150% 60s	
Battery Nominal Voltage	51.2VDC	
Floating Charging Voltage	56.4VDC	
Battery Voltage Shutdown Point	43.2VDC	
High Voltage Alarm Point	60 VDC	
Relative Humidity	≤95% (45°C±2°C)	
Protection Function	Overload, Overvoltage, Under voltage, Over temperature, Short circuit protections , etc	
Operating Temperature	0°C~45°C	
Storage Temperature	-10°C~55°C	
Atmospheric Pressure	70kPa~106 kPa	
Weight Kg	45	69
Size (W*d*h) mm	500*270*570	500*350*570