

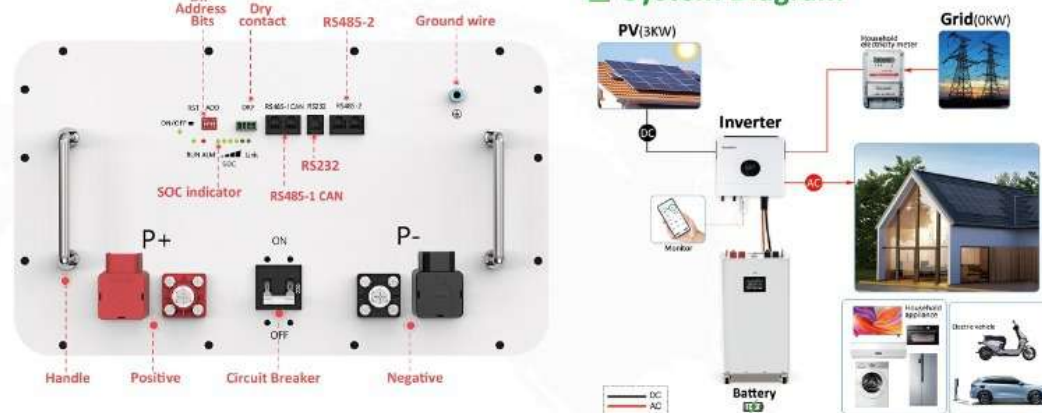
Vertical LITHIUM BATTERY FOR HOME ENERGY STORAGE SYSTEM LiFePO4 Battery 51.2V



FUNCTIONAL DESCRIPTION

- BMS-JK-V19-PB2A16S20P
- LCD-4.3 inch Display
- Fireproof device
- Circuit Breaker, Rated current:200A
- Bluetooth connection real-time monitoring via mobile APP
- Built-in BMS multiple protection communication Function, real-time monitoring data
- Optional RS485/232, CAN communication is widely Compatible with most inverters on the market

System Diagram



PRODUCT SPECIFICATION

Model No	51.2V 280AH	51.2V 314AH	51.2V 330AH
Battery Chemistry	16S1P		
Pack Configuration	LiFePO4 Battery		
Cell Model	LF3.2V/280AH	LF3.2V/314AH	LF3.2V/330AH
Nominal Capacity	280AH	314AH	330AH
Nominal Energy	14.34kwh	16.08kwh	16.89kwh
Nominal Voltage	51.2V (3.2V/Cell)		
Charge Voltage	56V(3.5V/Cell)		
Discharge cut-off Voltage	44.8V(2.8V/Cell)		
Max. charge Current	200A		
Max. discharge Current	200A		
Standard Charge	Using constant current charge to 54.5V, then using constant voltage 54.5V charge to taper current 0.05C		
Standard Discharge	Using 0.5C constant current discharge to 44.8V		
Dimension (W*H*D)	743*440*260 mm		
Net weight	118KG		
IP level	IP21		
Recommended SOC Range	15-95%		
Shipment Voltage	51~53V		
Operating Temperature	Charge: 0°C ~45°C ; Discharge : -20°C ~60°C		
Storage Temperature	-20 ~ 25°C, the pack shall be able to deliver ≥ 80% rated capacity after 1 year of storage; -20 ~ 45°C, the pack shall be able to deliver ≥ 80% rated capacity after 3 months of storage; -20 ~ 60°C, the pack shall be able to deliver ≥ 80% rated capacity after 1 month of storage		
Cycle Life (25+2%,0.5C/0.5C,80%EOL)	Cycles ≥8000times		
Warranty	10 years		
Certification	CE-EN IEC62133 , CE-EN IEC62619 , , CE-BMS, MSDS , UN38.3		