

16KWH BATTERY PACK

SmartStor

16KWH



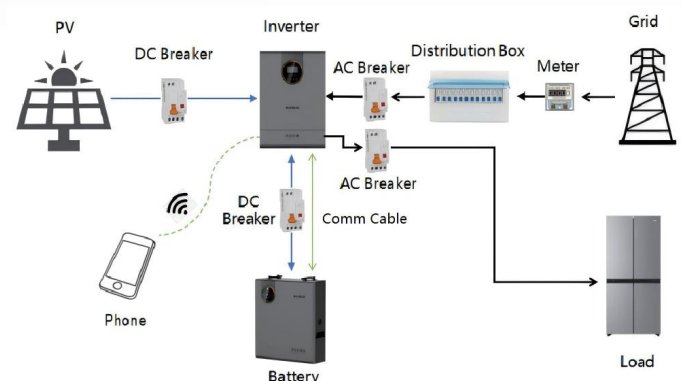
Main features

- Support remote fault diagnosis, upgrade and maintenance;
- It supports parallel use of up to 16 battery packs of the same model with a capacity of up to 256kWh. The number of parallel connections can be selected according to customer needs to meet the needs of different families;
- It uses lithium iron phosphate batteries and a self-developed high-quality battery management system (BMS), which is safe and reliable;
- Supports communication with a variety of mainstream inverters, works collaboratively, and is convenient and flexible;
- It can support a maximum of 155A charging and 220A discharging;
- Multiple installation methods, including wall-mounted and floor-mounted, and optional wheels;

Usage scenarios

(1) When there is mains electricity or sufficient photovoltaic power, the battery pack is charged through the inverter.

(2) When the utility power fails and the photovoltaic power generation is insufficient to supply power to the load, the power of the battery pack is converted into AC power through the inverter to supply power to the load.



Technical parameters

Name	Parameter
model	BP-16.0-LV1
Single cell	
Cell type	LFP
Battery cell rated capacity	314Ah
Battery cell rated voltage	3.2Vdc
Battery PACK	
Rated capacity	16076Wh
Combination method	16S1P
Rated voltage	51.2VDC
Working voltage range	44.8~57.6VDC
Maximum charging voltage	57.6VDC
Discharge cutoff voltage	44.8VDC
Charging method	CC-CV
Maximum continuous charging current	155A
Maximum continuous discharge current	220A
Battery pack activation method	Button activation, charging activation
in parallel	A maximum of 16 battery packs can be connected in parallel, and series connection is prohibited.
communication	RS485, CAN, Dry Contact
Communication interface type	RJ45
Charging temperature range	0~55℃
Discharge temperature range	-20~55℃
On/off button	rocker switch
reset switch	Yes, touch switch (on communication board)
cycle life	> 8000 (80%DOD)
net weight	116±1kg
Product size (W*H*D)	463*881*271mm
Protection level	IP21
Cooling method	natural cooling
Installation method	Wall mount, floor mount (wheels optional)
Storage conditions	Storage temperature: -10℃ ~ 35℃, battery level: 40% SOC; if stored for a long time, charge and discharge once every three months.



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