

5KWH BATTERY PACK

SmartStor 5KWH



| Main features

- It adopts a large-size display solution, with real-time control of key information, and is equipped with display buttons to turn the screen on/off according to usage needs;
- The modular design supports parallel use of up to 16 battery packs of the same model. 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 mature battery management system (BMS) solution, which is safe and reliable;
- The built-in BMS can communicate and work with a variety of mainstream inverters, and can be used with multiple mainstream inverters;
- Support wall installation to save space;

Technical parameters

name	parameter
model	BP-5.0-LV2
Single cell	
Cell type	Lithium Iron Phosphate
Battery cell rated capacity	100Ah@0.2C 25℃
Battery cell rated voltage	3.2Vdc
Battery PACK	
Rated capacity	5120Wh
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	50A (0.5C)
Maximum continuous discharge current	100A (1C)
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
Charging temperature range	0~55℃
Discharge temperature range	-20~55℃
On/off button	rocker switch
reset switch	Yes, touch switch (on communication board)
light panel switch	Yes, touch switch (on the light board)
cycle life	2500 times (@25±2℃, 0.5C charge/0.5C discharge)
net weight	45kg
gross weight	51kg
Product size	W*H*D=460*543*202mm (±2mm)
Packing size	L*W*H=644*574*293mm (±2mm)
Protection level	IP21
Cooling method	natural cooling
Installation method	Wall mounting
Storage conditions	Storage temperature: 10~30℃, battery level: 40% SOC; if stored for a long time, charge and discharge once every three months.



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