



12.8V/25.6V

Lead-acid replacement LiFePO4 battery

Features:



Higher cycle, longer life

More than 6000 cycles, super life, small size, lighter



Fast charging

Ultra-fast charging speed, save time and improve work efficiency



BMS intelligent protection

The new A-grade lithium iron phosphate battery cell is safe and reliable



Skewers and use

Externally it can be skewered and used, up to 4 strings and 8 parallels



Bluetooth communication

Support hardware/Bluetooth communication optional, strong matching flexibility



High protection

Plastic shell, waterproof and explosion-proof

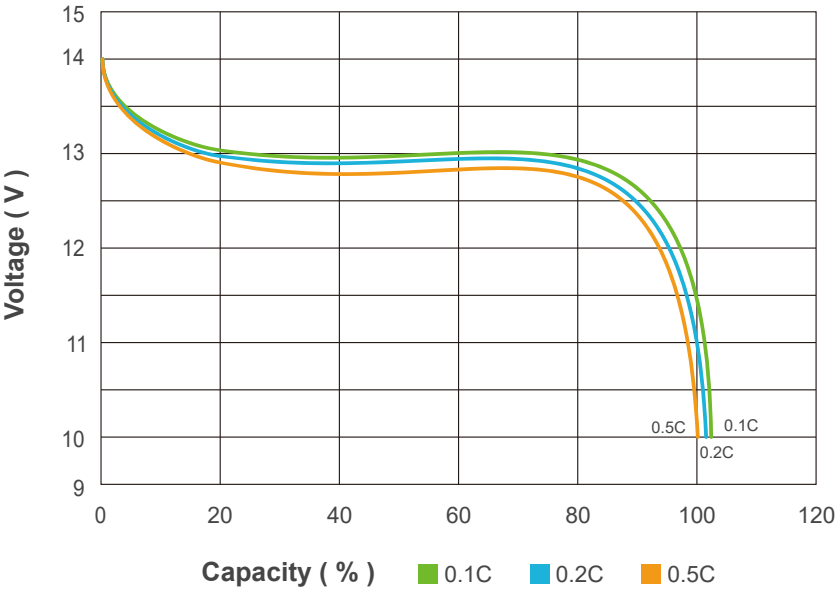
Specifications

Product Description	Product parameters				
Product model	SP12.8-6	SP12.8-8	SP12.8-36	SP12.8-50	SP12.8-100
Cells in series	4S	4S	4S	4S	4S
Rated Energy (Wh)	76.8	102.4	460	640	1280
Rated voltage (V)	12.8	12.8	12.8	12.8	12.8
Charging Voltage (V)	14.6	14.6	14.6	14.6	14.6
Discharge cut-off voltage (V)	10	10	10	10	10
Standard Charge Current (A)	1.2	1.6	7.2	10	20
Maximum Charging Current (A)	7.5	7.5	30	50	100
Maximum Discharge Current (A)	7.5	7.5	30	50	100
Cycle life	≥6000 times @80%DOD,25°C				
Charging/Discharge temperature	0~60°C/-10~65°C				
Storage temperature/humidity	-5~60°C/65±20%HR				
months self-discharged	2% per month	2% per month	2% per month	2% per month	2% per month
Methods of Communication	Hardware	Hardware	Hardware/Bluetooth	Hardware/Bluetooth	Hardware/Bluetooth
IP protection	65	65	65	65	65
Product Dimensions (L×W×Hmm)	90×72×108	151×65×94	195×166×170	195×166×170	330×173×216
Net Weight (Kg)	0.9	1.0	4.4	6.0	10.0
Packing Dimensions (L×W×Hmm)	375×235×155	335×235×143	212×186×207	212×186×207	380×225×275
Gross Weight (Kg)	0.95	1.05	5.0	6.3	10.5
Match the inverter model	Growatt, Goodwe, Deye, Luxpower, SRNE etc				

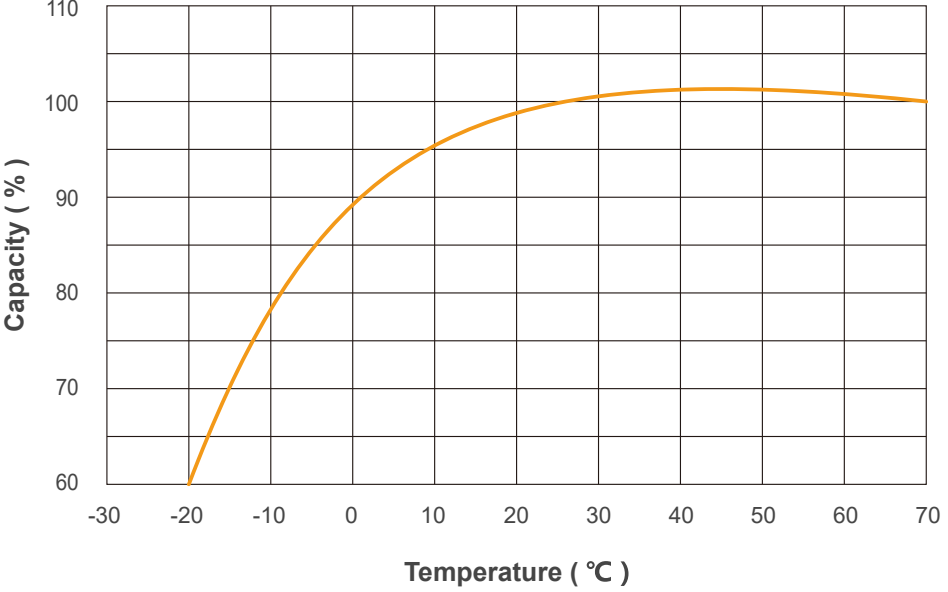
Product Description	Product parameters				
Product model	SP12.8-200	SP25.6-100	SP25.6-120	SP25.6-150	SP25.6-200
Cells in series	4S	8S	8S	8S	8S
Rated Energy (Wh)	2560	2560	3072	3840	5120
Rated voltage (V)	12.8	25.6	25.6	25.6	25.6
Charging Voltage (V)	14.6	29.2	29.2	29.2	29.2
Discharge cut-off voltage (V)	10	21	21	21	21
Standard Charge Current (A)	30	30	30	30	50
Maximum Charging Current (A)	100	100	100	100	100
Maximum Discharge Current (A)	100	150	100	100	150
Cycle life	≥6000 times @80%DOD,25°C				
Charging/Discharge temperature	0~60°C/-10~65°C				
Storage temperature/humidity	-5~60°C/65±20%HR				
months self-discharged	2% per month	2% per month	2% per month	2% per month	2% per month
Methods of Communication	Hardware/Bluetooth	Hardware/Bluetooth	Hardware/Bluetooth	Hardware/Bluetooth	Hardware/Bluetooth
IP protection	65	65	65	65	65
Product Dimensions (L×W×Hmm)	532×207×215	532×207×215	520×269×220	520×269×220	520×269×220
Net Weight (Kg)	20.0	19.0	25.0	27.5	35.0
Packing Dimensions (L×W×Hmm)	552×228×240	552×228×240	550×312×285	550×312×285	550×312×285
Gross Weight (Kg)	21.5	20.5	26.5	29.0	36.5
Match the inverter model	Growatt, Goodwe, Deye, Luxpower, SRNE etc				

Performance characteristic graphs

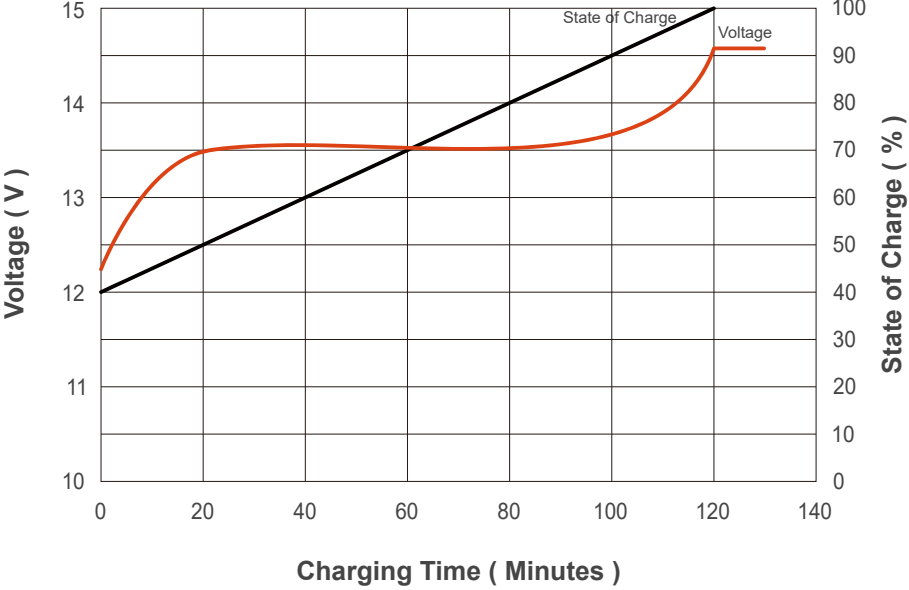
Discharge Performance at 25°C



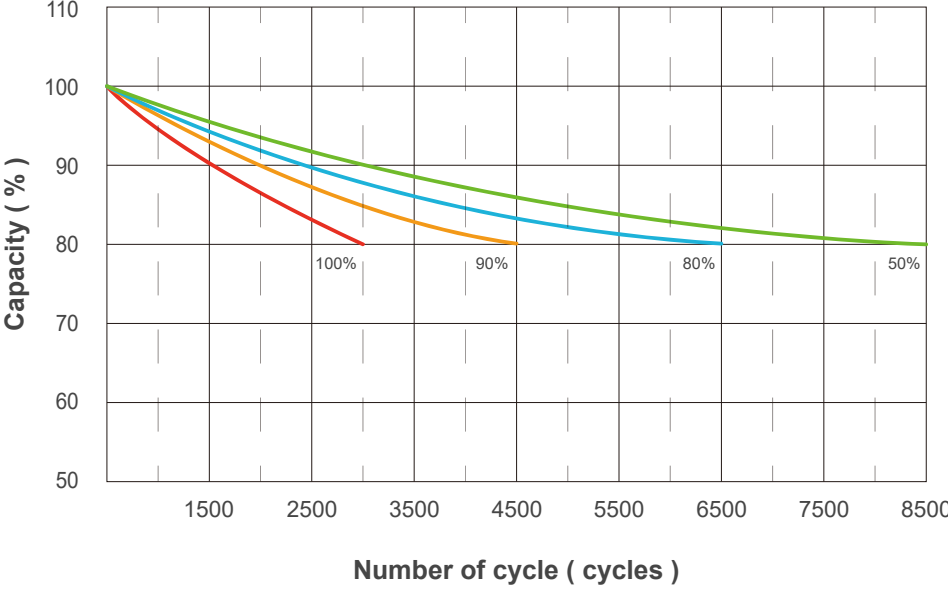
Temperature effects on capacity at 0.2C



State of Charge Curve (0.5C, 25°C)



Cycle life with DOD at 25°C, 0.2C

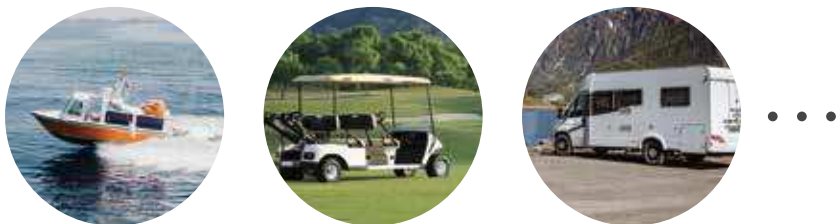


Application areas and precautions

● Fields of application

Lithium batteries can replace most lead-acid batteries, and the main use areas are as follows:

- Caravan
- RVs
- Ocean cruiser
- Solar Storage
- Golf carts
- Remote Monitoring
- Buggies
- yachts and much more



● Precautions

- Do not short circuit, crush or disassemble.
- Heating or incineration is prohibited
- Do not soak in any liquid
- Store at 50% capacity. Charge every three months. The storage environment should be clean, cool, dry and ventilated.



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Note: Performance is subject to change and all specifications are subject to change without notice, this data is for evaluation purposes only and cannot be relied upon as a guarantee or guarantee. For more information and updates, please contact us.