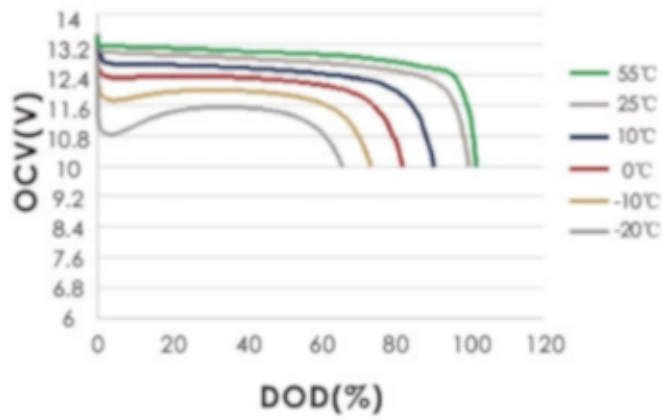


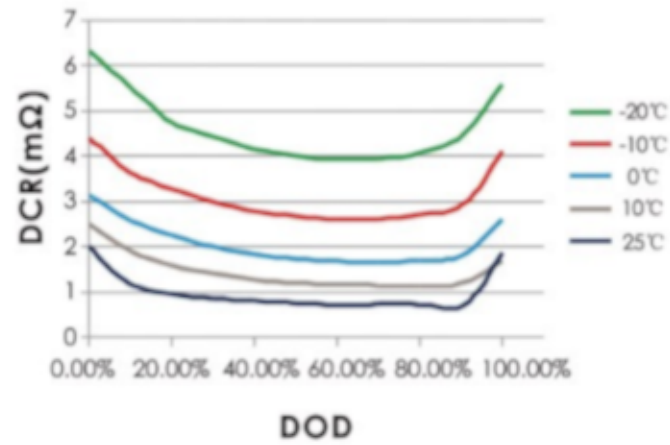
MOBILE HOME ENERGY STORAGE BATTERY



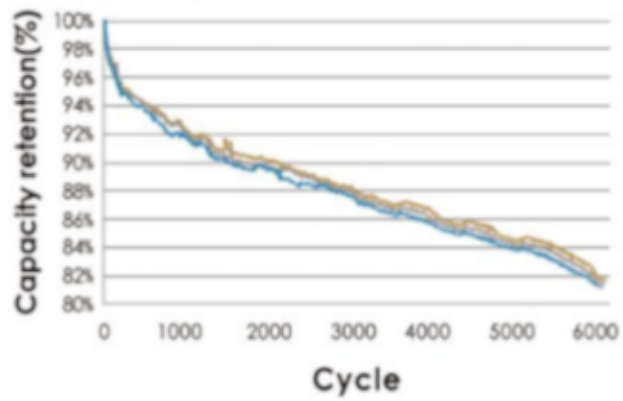
HL Capacity Test



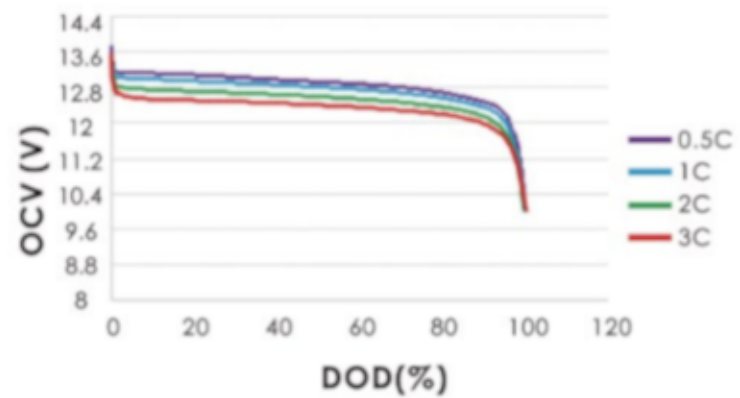
DCR Test



Cycle Test @ RT 1.0C/1.0C



DC Rate Test



Verload protection



Temperature protection



Short circuit protection



Batteries to protect



The overcharge protection



PUF protection



Over current protection



Over voltage protection

10Kwh / 20Kwh / 30Kwh / 50Kwh Household Energy Storage Battery Scheme

- **LiFePO4 Battery**
- **6000 Deep Cycle Life**
- **Support Inverter Communication**
- **Indoor Mobility & Space Saving**


SF-LFP51200-10-K
SF-LFP51200-20-K
SF-LFP51200-30-K
SF-LFP51200-50-K

Product Parameters

Product model	SF-LFP51200-10-K	SF-LFP51200-20-K	SF-LFP51200-30-K	SF-LFP51200-50-K
Product Power	10Kwh	20Kwh	30Kwh	50Kwh
Nominal voltage	51.2V			
Nominal capacity	200Ah	400Ah	600Ah	1000Ah
Cell type	LiFePO4 Battery (Lithium iron Phosphate Battery)			
Standard charge voltage	58.4V			
Max charge current	80A(Single Pack)			
Discharge cut-off voltage	36,8V			
Max discharge current	200A(Single Pack)			
Display	LCD			
Communication interface	RS232 / RS485 / CAN			
Cycle life	≥6000 Cycles			
Charge temperature range	0~45°C			
Discharge temperature range	-5~55°C			
Dimensions	690*590*290mm	690*590*435mm	690*590*580mm	690*590*870mm
Weight	About 93Kg	About 169Kg	About 245Kg	About 398Kg

Optional Accessories

Movable Base / M8 Parallel Line(30cm) / RS485 Communication Line



Product Features

- Easy to carry
- Built-in Safety
- Energy Dense
- Long cycle life
- Easy to operate
- Climate Tolerant
- Support customization
- Environmental protection



Applicable Scope

- Solar Storage
- Central office
- Base transceiver station
- Electronic cash registers
- Telecommunication systems
- Communication equipments
- Switching applications and more
- Microprocessor based office machine
- UPS



SOLAR ENERGY STORAGE BATTERY

DISCHARGE SPECIFICATION

Cont. Discharge	100A
Max. Cont. Discharge Current	200A
Peak Discharge Current	400A(3s)
BMS Discharge Current	500A±100A(10mS)
Recommend Cut-off voltage	38.4V
BMS Discharge Cut-off	36.8V
Short Circuit Protection	200-600 μs

CHARGE SPECIFICATION

Recommended Charge Current	20-100A
Max. Charge Current	100A
Peak Charge Current	200A(30s)
BMS Charge Voltage Cut-off	58.4V (1±0.25)
Reconnect Voltage	57.3V-58.4V
Balancing Current	/
Balancing Voltage	/
Charge Current (-20 to -10 °C)	≤0.05 C

ELECTRICAL SPECIFICATION

Nominal Voltage	51.2V
Nominal Capacity	200AH
Capacity @40A	5HR
Energy	10KWH
Resistance	≤20mΩ
Efficiency	99%
Self Discharge	< 3% per month
Max. Modules in Parallel	5 (50 kWh)

MECHANICAL SPECIFICATION

Dimensions (L*W*H)	690*590*280mm
Weight	93KG±2KG
Terminal Type	Screw Stud M8
Case Material	Metal Case
Enclosure Protection	IP65
Modules Cell: 3.2V 200AH	16S1P
Module: 51.2V 200AH	1 Set

TEMPERATURE SPECIFICATION

Discharge Temperature	-20°C to 60 °C
Charge Temperature	0 °C to 45 °C
Storage Temperature	-20°C to 40 °C
Peak High Temperature	80 °C
Reconnect Temperature	50 °C