

Stacked All-in-One Energy Storage System

5kWh-30kWh+5kW-10kW



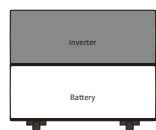
battery BMS supports simultaneous communication and docking with multiple inverter brands



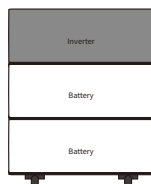
Features

- ※ LiFePo4 cell class A
- ※ 6000 cycle times@DOD80%
- ※ BT&WIFI is optional
- ※ LCD display(touch screen is optional)
- ※ 100A BMS for charge/discharge
- ※ Stacked Design
- ※ Compatible with multiple inverter brands

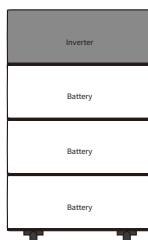
Drawing



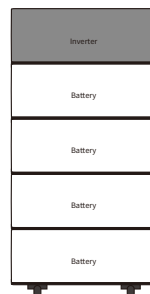
L*W*H: 550*500*356mm



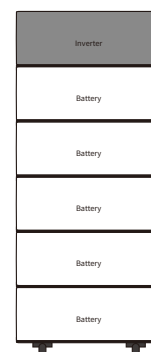
L*W*H: 550*500*534mm



L*W*H: 550*500*712mm



L*W*H: 550*500*890mm



L*W*H: 550*500*1068mm

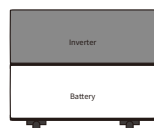
Battery parameters

Model	SBM-I-5kWh+5kW	SBM-I-10kWh+5kW	SBM-I-15kWh+5kW	SBM-I-20kWh+5kW	SBM-I-25kWh+5kW	SBM-I-30kWh+5kW
Standard Voltage	51.2V					
Standard Capacity	100Ah	100Ah*2	100Ah*3	100Ah*4	100Ah*5	100Ah*6
Standard Energy	5.12kWh	5.12kWh*2	5.12kWh*3	5.12kWh*4	5.12kWh*5	5.12kWh*6
Working Voltage	43.2-57.6V					
Standard Charge Current	50A	50A*2	50A*3	50A*4	50A*5	50A*6
Standard Discharge Current	100A	100A*2	100A*3	100A*4	100A*5	100A*6
Suggested DOD	80%					
Cycle Life	>6000 cycles					
IP Rating	Ip21					
Operating Temperature For Discharge	-20°C~60°C					
Operating Temperature For Charge	0°C~45°C					
Communication	RS232/CAN/RS485(WIFI/BT optional)					
Display	LCD Display (touch screen optional)					
Warranty	5 years					
Certificate	UN38.3/MSDS/CE/ROHS/FCC					
N.W./unit(kg)	45.8	45.8*2	45.8*3	45.8*4	45.8*5	45.8*6
G.W./unit(kg)	53.2	53.2*2	53.2*3	53.2*4	53.2*5	53.2*6
Product Size/unit(mm)	550*500*178	550*500*178*2	550*500*178*3	550*500*178*4	550*500*178*5	550*500*178*6
Meas/unit(mm)	650*600*290	650*600*290*2	650*600*290*3	650*600*290*4	650*600*290*5	650*600*290*6

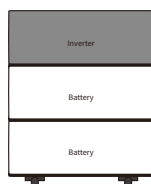
Inverter Parameters

Input Formation	L+N+PE
AC Input	220/230/240VAC
Input Voltage Range	90-280VAC $\pm$ 3V(Normal Mode) 170-280VAC $\pm$ 3V(UPS Mode)
Frequency	50/60Hz(Adaptive)
Rated Power	5500W
Output Voltage	220/230/240VAC $\pm$ 5%
Output Frequency	50/60Hz $\pm$ 0.1%
Output Wave	Pure Sine Wave
Transfer Time(Adjustable)	10ms for Computer Equipment,20ms for Household Equipment
Peak Power	10000VA
Overload Ability	Battery Model:21s@105%~150% load 11s@150%~200% load 400ms@>200% load
Rated Voltage	48VDC
Constant Charging Voltage (Adjustable)	56.4VDC
Float Charging Voltage (Adjustable)	54VDC
PV Charging Method	MPPT
Max PV Input	5500W
MPPT Tracking Range	120-500VDC
Best PV Working Range	300-400WDC
MAX PV Input Voltage	500VDC
MAX PV Input Current	27A
MAX PV Charge Current	100A
MAX AC Charge Current	60A
MAX Charge Current	100A
LCD	Can display operating mode/load/input/output
RS232	5PIN/Pitch2.54mm,Baud Rate 2400
Expansion Communication interface	Lithium Battery BMS Communication Card, WiFi 2x5PIN/Pitch2.54mm
Operating Temperature	0°C~40°C
Storage Temperature	-15°C~60°C
Altitude	No more than 1000m, If 1000m<,Rate power will lower,MAX 4000m
Operating Environment Humidity	20%-95% Non-Condensing
Noise	< 50dB
Product size/unit (mm)	495*312*125
Package(L*W*H) (mm)	565*885*195
N.W (kg)	10.52
G.W (kg)	11.84

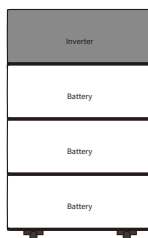
Drawing



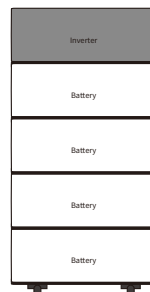
L*W*H: 550*500*356mm



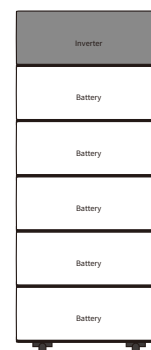
L*W*H: 550*500*534mm



L*W*H: 550*500*712mm



L*W*H: 550*500*890mm



L*W*H: 550*500*1068mm

Battery parameters

Model	SBM-I-10kWh+10kW	SBM-I-15kWh+10kW	SBM-I-20kWh+10kW	SBM-I-25kWh+10kW	SBM-I-30kWh+10kW
Standard Voltage	51.2V				
Standard Capacity	100Ah*2	100Ah*3	100Ah*4	100Ah*5	100Ah*6
Standard Energy	5.12kWh*2	5.12kWh*3	5.12kWh*4	5.12kWh*5	5.12kWh*6
Working Voltage	43.2-57.6V				
Standard Charge Current	50A*2	50A*3	50A*4	50A*5	50A*6
Standard Discharge Current	100A*2	100A*3	100A*4	100A*5	100A*6
Suggested DOD	80%				
Cycle Life	>6000 cycles				
IP Rating	Ip21				
Operating Temperature For Discharge	-20°C~60°C				
Operating Temperature For Charge	0°C~45°C				
Communication	RS232/CAN/RS485(WIFI/BT optional)				
Display	LCD Display (touch screen optional)				
Warranty	5 years				
Certificate	UN38.3/MSDS/CE/ROHS/FCC				
N.W./unit(kg)	44.5*2	44.5*3	44.5*4	44.5*5	44.5*6
G.W./unit(kg)	53.2*2	53.2*3	53.2*4	53.2*5	53.2*6
Product Size/unit(mm)	550*500*178*2	550*500*178*3	550*500*178*4	550*500*178*5	550*500*178*6
Meas/unit(mm)	650*600*290*2	650*600*290*3	650*600*290*4	650*600*290*5	650*600*290*6

Inverter Parameters

Input Formation	L+N+PE
AC Input	220/230/240VAC
Input Voltage Range	90-280VAC $\pm$ 3V(Normal Mode) 170-280VAC $\pm$ 3V(UPS Mode)
Frequency	50/60Hz(Adaptive)
Rated Power	11000W
Output Voltage	220/230/240VAC $\pm$ 5%
Output Frequency	50/60Hz $\pm$ 0.1%
Output Wave	Pure Sine Wave
Transfer Time(Adjustable)	10ms for Computer Equipment,20ms for Household Equipment
Peak Power	22000VA
Overload Ability	Battery Model:21s@105%~150% load 11s@150%~200% load 400ms@>200% load
Rated Voltage	48VDC
Constant Charging Voltage (Adjustable)	56.4VDC
Float Charging Voltage (Adjustable)	54VDC
PV Charging Method	MPPT*2
Max PV Input	2x7500W
MPPT Tracking Range	90-500VDC
Best PV working Range	300-400WDC
MAX PV Input Voltage	500VDC
MAX PV Input Current	2x27A
MAX PV Charge Current	150A
MAX AC Charge Current	150A
MAX Charge Current	150A
LCD	Can display operating mode/load/input/output
RS232	5PIN/Pitch2.54mm,Baud Rate 2400
Expansion Communication Interface	Lithium Battery BMS Communication Card, wiFi 2x5PIN/Pitch2.54mm
Operating Temperature	0°C~40°C
Storage Temperature	-15°C~60°C
Altitude	No more than 1000m, If 1000m<,Rate power will lower,MAX 4000m,Refer to IEC62040
Operating Environment Humidity	20%-95% Non-Condensing
Noise	< 50dB
Product size/unit (mm)	550*500*178
Package(L*W*H) (mm)	650*600*290
N.W (kg)	18.99
G.W (kg)	22.25
Standards and Certifications	EN-IEC 60335-1,EN-IEC 60335-2-29,IEC 62109-1

Product Connection Diagram

