

MODEL : SB-5S

HYBRID POWER STATION



Design Standards

SB® is a new range of secure integrated hybrid power station. With solar power, Battery storage and Hybrid solar Inverter in one secure unit. SB® is mainly developed for residents Power, Reduce the dependence on Main Power and decrease the consumption cost.

Benefits

- Integrated installation, convenient storage and transportation;
- High return on investment and quick return;
- Simple operation and easy maintenance;
- Power and Capacity can be expanded, meet different user needs;
- Green, renewable and clean energy, supported and subsidized by the state;

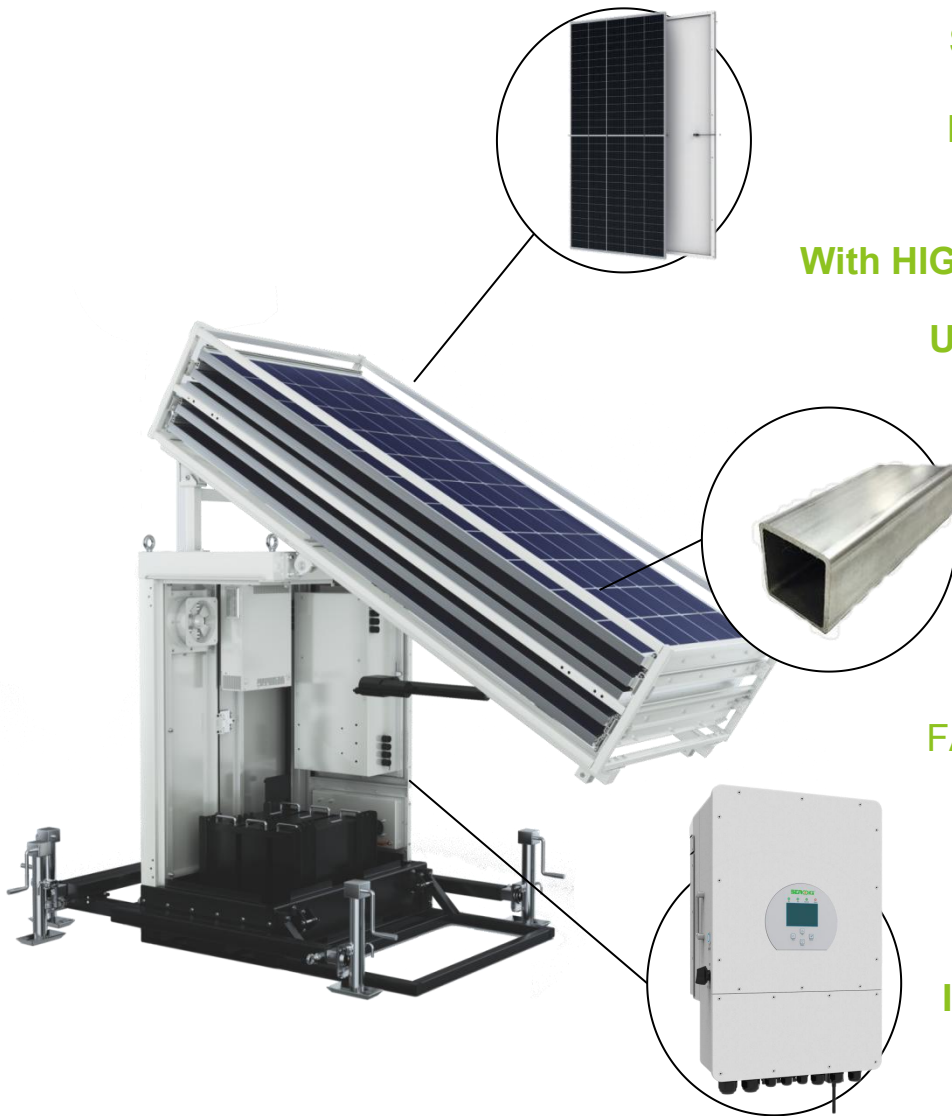
Warranty

Battery Performance: 2000 cycles(80% DOD) or 2 years after manufacture;



General Specification

Model	SB-5S
System Rated Output Power	5kVA
Rated Output Voltage	220V@50Hz/60Hz, 1ph. (According to customer requirements)
Min.Battery Storage Capacity	5 kWh
Max.Battery Storage Capacity	20 kWh
Max.Solar Power	2750W
Output Terminals	Copper terminals & CEE 32A/3P Socket
Expand Dimension(W*D*H)	2400*5400*2530mm
Loading Dimension(W*D*H)	1380*1150*2550mm
Net.Weight	990kg
Loading Capacity of 40'HC	16 units
Discharge Temperature Range	-20°C~50°C



SOLAR PANEL

MAX. POWER:

2750_W

With HIGH EFFICIENCY

UP TO **21%~!!**

HIGH STRENGTH METAL FRAME

COFFIDENCE IN
FACING **WIND & RAIN**

INTELLIGENT INVERTER

ONE PIECE FOR
SOLAR & BATTERY
& **GRID**
& **GENERATOR**

Fits the practical
application & guaranteed
by high-quality
manufacturing
technology



Solar Panel

Maximum Power	550W
Power Tolerance	0~
Max-Power Voltage (Vm)	41.96VDC
Max-Power Current (Im)	13.11A
Qty.	5pcs



Energy storage battery

Cell Type	LFP(LiFePO4)
Pack Model	MF51100D
Pack Capacity	5 kWh
Pack Rated Voltage	51.2 VDC
Discharge Depth	90%
Charger/Discharge Current	97.7 A(1.0C)
Battery Rack Voltage	43.2V~59V
Rated Cycle Life	≥2000 (80% DOD)

Hybrid Inverter System

Solar Controller	MPPT*2
AC Voltage Range	220~230Vac
Max.PV Current	13A
Max.Charge/Discharge Current	120A
Max.Conversion Efficiency	97.6%
Rated Output Power	5kVA(0.8leading~0.8lagging)

Trailer available

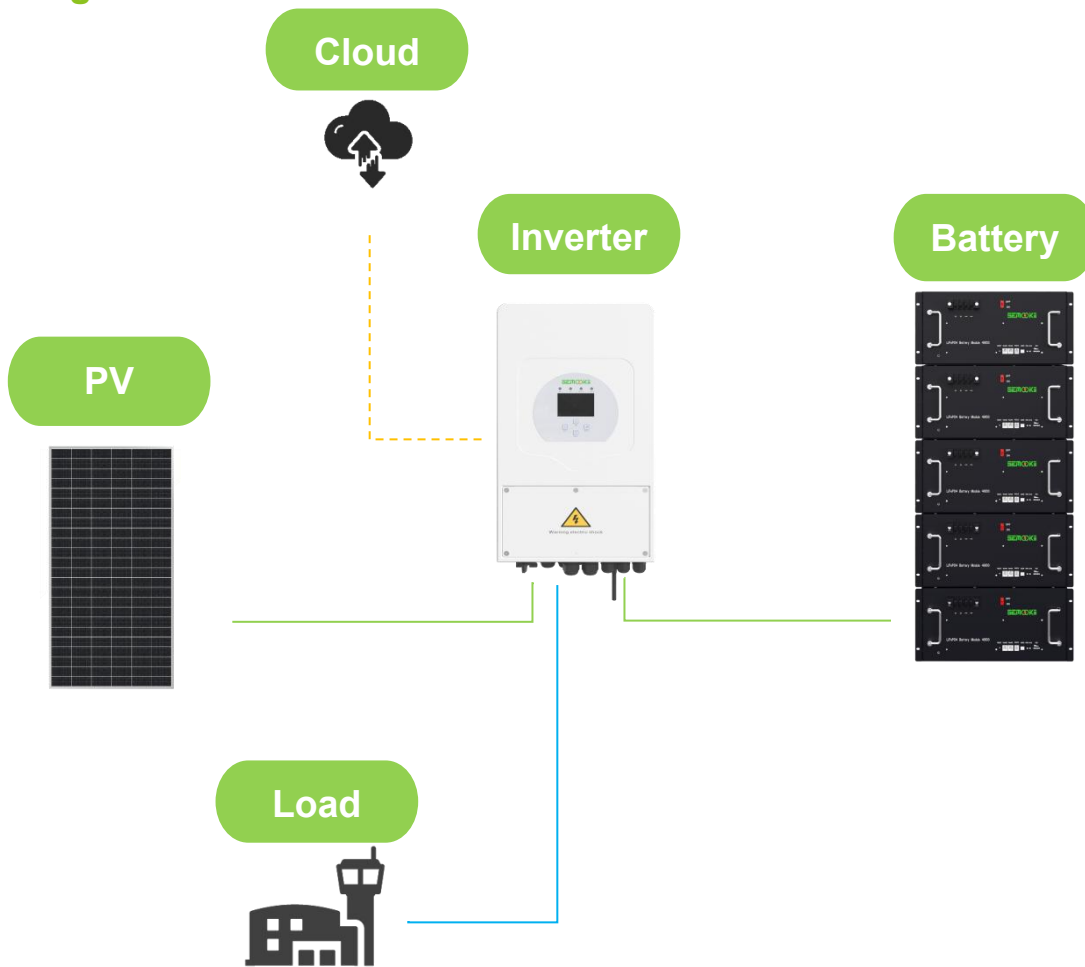


Options

Hybrid Power Station

- Larger Battery Pack
- Split Phase Inverter
- Galvanized / Aluminium Canopy
- Tools with the machine
- Trailer

Basic Logic



Power Priority	Highest	Secondary
Functions	PV Take load/charge	Battery Take load



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