Su-mak SOLAR

Hybrid Solar Inverter



Energy Storage System—ESS Series

2500W+4019.2WH / 4000W+8038.4WH / 6000W+16076.8WH

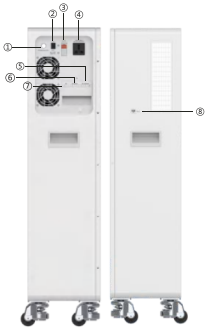


Features

-Adopts 3-in-1 design integrating SOLAR INVERTER, MPPT Controller and AC Charger
-Builtin BMS protection
-Builtin lithium battery, longer span life
-User friendly
-Plug and play
-Multi-protections



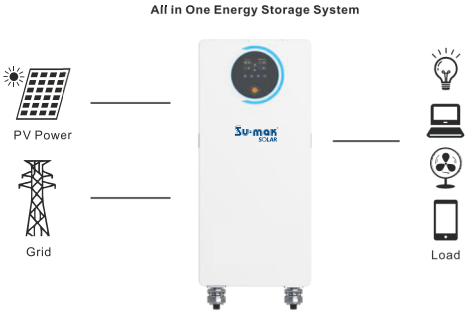
Side view



1. Power Switch
2. Battery Switch
3. AC Input Switch
4. AC Out Socket
5. AC Output
6. AC Input
7. PV
8. RS232 communication port

Taking 6KW as an example

System Diagram



Technical Data

Model	ESS-H2500V2	ESS-V4000V2	ESS-V6000V2	ESS-V12000V1
Output power (KW))	2500W	4000W	6000W	12KW
Total(WH)	4019.2WH	8038.4WH	16076.8WH	16076.8WH
Nominal Voltage(V)	12.8V	25.6V	51.2V	51.2V
Battery Cell Energy	314AH	314AH	314AH	314AH
Photovoltaic input (PV)				
Maximum power of PV	2500W	5500W	7500W	12000W
MPPT maximum voltage	500VDC			
Maximum charging current	100A	100A	120A	120A
MPPT voltage range	30VDC-500VDC	60VDC-500VDC	60VDC-500VDC	60VDC-500VDC
Exchange Input (AC)				
Rated voltage	230VAC			
Voltage range	170-280 VAC (For Personal Computers); 90-280 VAC (For Home Appliances)			
Input frequency	50Hz/60Hz			
Maximum current	100A	100A	100A	100A
Exchange output (AC)				
Rated output power	2500VA/2500W	4000VA/4000W	6000VA/6000W	12000VA/12000W
Rated output power	230VAC±5%			
Output frequency	50Hz/60Hz			
Output waveform	Pure sine wave			
Switch time	10ms(For personal Computer);20ms(For Home Appliances)			
Communication port	RS232			
Storage Temperature(°C)	0~35			
Altitude	<2000M			
Humidity	<95% RH			
Operating termperature(°C)	-10~55°C			
Depth of discharge(DOD)	80%			
Cycle life	Battery 6000 cycle 80% DOD 25°C			
Installation	On floor	movable	movable	movable
Weight(kg)	33	96	125	150
Dimension(L*W*H)mm	430x250x499	430x250x741	430x250x1032	520x250x1132
Ingress Protection	IP20			

Product specifications are subject to change without further notice.