

Stand All-in-one Energy Storage System

SSH-5KW51.2V200AH



SSH series integrates inverter, controller, and battery into one set. It is an independent small solar power station, Supports wall or ground installation. It is ideal for relatively large residential or small commercial and industrial applications.

solar energy storage all-in-one
(Integrated with solar inverter, MPPT, lithium battery)



ADVANTAGES-FEATURES



Pure Sine Wave Output, Adaptable to Different Loads



UPS Function: Transfer Time <20ms



Multiple Working Mode: Photovoltaic/ Battery/AC Priority



Configurable Proportion of Photovoltaic, Mains, and Battery Input



On&off-grid Energy Storage System Can Maximize the Use of Photovoltaics



Intelligent BMS, Automatic Restoration and Maintenance-free



High Capacity and High Power Efficiency



Technical Data

Model	SSH-5KW51.2V200AH
System Data	
Nominal Output Power	5000W
Rated Capacity	10.24kWh
Cell Type	LiFePO4
Ingress Protection Rating	IP20 / IP65
Warranty	5 Years
Solar Input Data	
Max. PV Array Power	5500W
Max. DC Voltage	450VDC
MPPT Voltage Range	120~450V
MPPT Tracker / Strings	1
Max. Solar Charge Current	100A
Max. AC Charge Current	80A
Max. Charge Current	100A
Inverter & Controller Data	
Rated Power	5000VA/5000W
Efficiency (Peak)	Up to 93.5%
Grid Voltage / Range	230 VAC \pm 5%
Frequency	50Hz / 60Hz
Waveform	Pure sine wave
Transfer Time	10ms (For Personal Computers) ; 20ms (For Home Appliances);
Surge Power	10000VA
Battery Data	
Nominal Voltage	51.2V
Rated Capacity	200Ah
Max.Charging/Discharging Current	200A
Battery Cycle Life	\geq 6000 times, 25°C/77°F, 80%DOD
SOC Estimation	Yes
Intelligent Balance	Yes
GPS Positioning	Yes
Sleep and Wake-up	Yes
Protection	
Arc Fault Protection	Yes (Optional)
Anti-reverse Protection	Yes
Anti-island Protection	Yes
DC Over Current Protection	Yes
Insulation Monitoring	Yes
Residual Current Monitoring	Yes
Other Protection	AC Over current; AC over voltage; Over temperature protection
General Data	
Interface	RS232/RS485/CAN
Display	Touch Key + LCD
Operating Temperature	Charging: 0°C~50°C / Discharging: -15°C~60°C
Cooling	Forced air cooling
Relative Humidity	5% to 95% Relative Humidity (Non-condensing)
Altitude	> 2000m Derating
Dimensions (W*D*H)	1000*580*154mm
Isolation Transformer Weight	Approx.110kg
Safety Standard	EN/IEC 62109-1 ; EN/IEC 62109-2; SONCAP