

SYSTEM TECHNICAL SPECIFICATIONS

SunBeat series home energy storage system products include 5kW/9.6kWh and 8kW/19.2kWh products.

TECHNICAL DATA	SUNBEAT 5010A	SUNBEAT 8020A
Battery		
Type of battery	LFP	
System capacity	200Ah	400Ah
Parallel number	4P (48V50Ah module)	8P (48V50Ah module)
Rated voltage	48V	
Voltage range	42~51.5V	
Maximum continuous charging current	100A	150A
Maximum continuous discharge current	120A	190A
PV		
PV input maximum power	6500W	10400W
PV input voltage range	370V(100V~500V)	
MPPT voltage range	125V~425V	
Starting voltage	150V	
PV input current	11A+11A	18A+18A
MPPT quantity	2	
AC output		
Rated output power	5000W	8000W
Maximum output power	5500W	8800W
Rated output current	20.8A	33.4A
Maximum output current	24A	38.3
Bypass current	35A	50A
The output voltage	120/240Vac(Single phase)	
Output frequency	60Hz	
Power factor	0.8 leading to 0.8 lagging	
Current harmonics	THD<3%	
Certifications and Standards		
Inverter	UL1741,IEEE1547, IEC62109-1,IEC62109-2, FCC Class B	
Battery	UN38.3,UL1973	
General Data		
Range of working temperature	-10°~45°	
Cooling method	Air-cooled	
Noise	<30db	
BMS communication	RS485/CAN	
Structure size (W*H*D)	59 in * 25.6 in * 22 in	76.8 in * 25.6 in * 22 in
Weight	220kg	350kg
Environment humidity	≤95%RH (No condensation)	
Altitude	≤2000m	
Protection class	IP54	

SunBeat home energy monitoring

Eliminate electricity bill surprises by Monitoring your electricity usage using real time energy information, detailed reports, and conveniently access your home energy information from your smartphone, tablet or computer.



Designed for reliability, safety and ease of information



Integrates grid and generator power with dual AC inputs



Single or three phase systems configurations (with factory design approval)



Supports DC coupled and AC coupled off grid and grid tie architecture