



## HOME ENERGY STORAGE SYSTEM

SunBeat home energy series is a fully integrated energy storage solution to enhance your residence or small commercial facility. Our all-in-one electrical interface works with existing and new solar systems, providing a single connection to your home or business. SunBeat Energy enable owners to save money, prepare for power outages and helps protect the environment. Its rechargeable lithium-ion batteries provide energy storage for self-consumption, time of use, net metering and backup power - facilitating your independence from the utility grid. During utility power outages, the energy stored in SunBeat can be discharged to provide backup power. Your family and home stay — safe and comfortable with smart, configurable backup power. —



## SYSTEM TECHNICAL SPECIFICATIONS

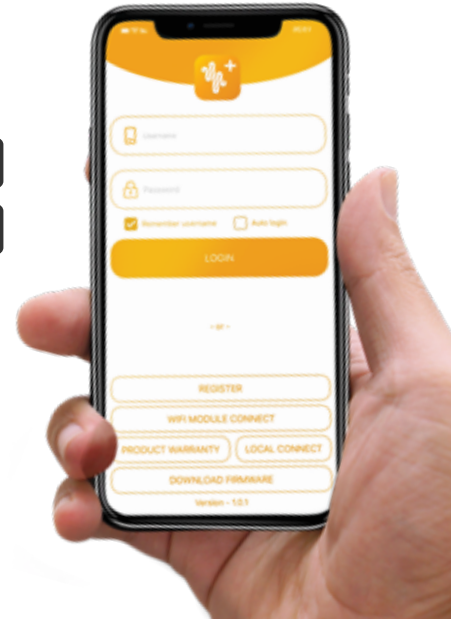
SunBeat series home energy storage system products include 5kW/10 kWh, 7.6kW/15 kWh, and 12 kW/20 kWh, products.

	SB5110	SB7615	SB1220
<b>Battery</b>			
Type of battery	LFP		
System capacity (kWh)	10	15	20
Parallel number (51.2V100Ah)	2P	3P	4P
Rated voltage	51.2V		
Voltage range	46.4v-55.2V		
Maximum continuous charging current	100A	150A	250A
Maximum continuous discharge current	167A	210A	240A
<b>PV</b>			
PV input maximum power	7500W	12000W	18000W
PV input voltage range	100V~600V		
MPPT voltage range	120V~500V		
Starting voltage	150V		
PV input current	25/25	25/25	25/15/15
<b>AC output</b>			
Rated output power	5000W	7600W	12000W
Rated output current	20.8A	43A	50A
Bypass current	35A	100A	200A
The output voltage	120/240Vac (Split phase 120/208)		
Output frequency	60Hz		
Power factor	0.8 leading to 0.8 lagging		
Current harmonics	THD<3%		
<b>Certifications and Standards</b>			
Inverter	UL9540, UL1741, IEC62109-1, IEC62109-2, FCC Class B		
Battery	UN38.3, UL1973		
<b>General Data</b>			
Range of working temperature	-10°~45°		
Cooling method	Air-cooled		
Noise	<30db		
BMS communication	RS485/CAN		
Structure size (W*H*D)	720mm*1850mm*570mm (28.4 in 72.9 in 22.5 in)		
Weight	310 kg/683 lb	350 kg/771 lbs	390 kg/860 lbs
Environment humidity	≤95%RH (No condensation)		
Altitude	≤2000m		
Protection class	IP55		

We reserve the right to make technical changes and updates without prior notice. Specific values, performance data and other information in this data sheet, brochures, advertisement and other product information, as well as, other illustration and drawings, are solely illustrative and are subject to revisions and modifications.

## 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