



## 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. —



[sales@sunbeatenergy.com](mailto:sales@sunbeatenergy.com) • [www.sunbeatenergy.com](http://www.sunbeatenergy.com) •   

Always refer to the manufacturer's manual for official guidelines, specifications, and instructions to ensure proper use and compliance with safety and performance standards.

## SYSTEM TECHNICAL SPECIFICATIONS

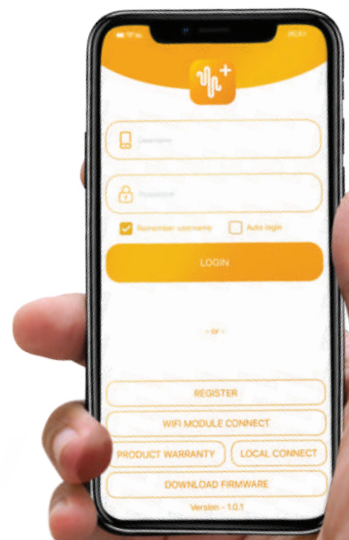
SunBeat series home energy storage system products include 5kW/10 kWh, 7.6kW/15 kWh, and 12 kW/20 kWh, products.

	5110	7615	1220
Battery			
Type of battery		LFP	
System capacity (kWh)	10	15	20
Parallel number (48V100Ah)	2P	4P	6P
Rated voltage		51.2V	
Voltage range		46.4v-55.2V	
Maximum continuous charging current	100A	150A	250A
Maximum continuous discharge current	167A	210A	240A
PV			
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
AC output			
Rated output power	5000W	7600W	12000W
Rated output current	20.8A	33.4A	43A
Bypass current	35A	50A	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	UL9540, 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)	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.



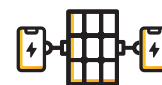
Designed for reliability, safety and ease of information



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