



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/9.6 kWh, 8kW/14.4kWh and 8 kW/19.2 KWh products.

	5010A	8015A	8020A
Battery			
Type of battery		LFP	
System capacity (kWh)	9.6	14.4	19.2
Parallel number (48V50Ah)	4P	6P	8P
Rated voltage		48V	
Voltage range		42~51.5V	
Maximum continuous charging current	100A	150A	150A
Maximum continuous discharge current	120A	190A	190A
PV			
PV input maximum power	6500W	10400W	10400W
PV input voltage range		370V(100V~500V)	
MPPT voltage range		125V~425V	
Starting voltage		150V	
PV input current	11A+11A	18A+18A	18A+18A
MPPT quantity		2	
AC output			
Rated output power	5000W	8000W	8000W
Maximum output power	5500W	8800W	8800W
Rated output current	20.8A	33.4A	33.4A
Maximum output current	24A	38.3A	38.3A
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	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" * 25.6" * 22"	68.3" * 25.8" * 21.8"	76.8" * 25.6" * 22"
Weight	220kg / 485lbs	285kg / 624lbs	350kg / 772lbs
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.



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



Designed for reliability, safety and ease of information