



ENERGY STORAGE STACKABLE BATTERY

SunBeat stackable batteries deliver efficient and cost-effective energy solutions for on grid, off grid, self-consumption, on demand energy storage for critical backup and electricity bills savings.

- Floor mounted
- 5KWh, 10KWh, 15KWh, 20KWh usable energy
- 100 Ah, 180 Ah, 200 Ah
- 51.2 Vdc
- 100 amp charging, 200 Amps discharge
- Compatible with industry standard inverter charge controllers
- Up to 3 stackable batteries
- Pair with most hybrid inverter brands



SPECIAL FEATURES



RELIABLE

Our energy storage battery system uses a lithium-ion phosphate battery, the safest chemistry available. It is based on a modular design with customized battery management system, monitoring status and controls to ensure a safe, efficient and reliable system operation.



LONGER LIFE

SunBeat batteries can last six times longer than lead acid batteries and near 6,000 cycles. That is a lifespan of more than 20 years.



DEEP DEPTH OF DISCHARGE

SunBeat batteries can achieve a deeper discharge than other types of batteries, allowing customers to use energy more frequently and for longer periods of time.



NO MAINTENANCE

SunBeat batteries require little or no maintenance, providing worry-free service. There is no need to add liquids or equalize the batteries.

SYSTEM SPECIFICATIONS

Item	Parameter			
System Model	SBESS-5	SBESS-10	SBESS-15	SBESS-20
No. of batt. module	1	2	3	4
Rated Energy	5kWh	10kWh	15kWh	20kWh
Max. discharge current	100A	180A	200A	200A
Dimensions (w*h*d)	22.55" * 23.5" * 7.4"	22.55" * 35.9" * 7.4"	22.55" * 48.3" * 7.4"	22.55" * 60.7" * 7.4"
Net weight	143.3 lbs.	253.5 lbs.	363.7 lbs.	473.9 lbs.
Rated Voltage	51.2V			
Operating Voltage	44.8V~55.2V			
External communication	CAN/RS485/WiFi			
Cycle life	6,000 times (25°C, 0.5C/0.5C, 90%DOD, 70% remaining)			
Scalable	Up to 3 cabinets in parallel			
Protection class	IP65			
Operating Temperature	Charging [-10,50] °C, Discharging [-20,50] °C			
Working Humidity	10%~95%RH			
Working altitude	<2000m, >2000m derating			
Certification	UL1973, UL9540, IEC62619, CE, UN38.3, FCC, OGPE			
Warranty	10 Years			
Battery/Breaker	250 amps			



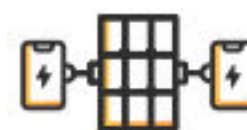
Designed for reliability, safety and ease of information



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