

ENERGY STORAGE LITHIUM-ION BATTERY

SUNBEAT
ENERGY FOR BETTER LIVING

EW 5 PRO

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

- Wall mounted
- 5.12 KWh usable energy
- 100 Ah
- 51.2 Vdc, 110.67 lbs
- 100 A charging, 100 A discharge
- Compatible with industry standard inverter charge controllers
- Up to sixteen (16) batteries in parallel
- 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.

TECHNICAL DATA

SUNBEAT EW 5 PRO

Battery Input

Rated Capacity (Ah)	100
Nominal Voltage (Vdc)	51.2
Total Energy (kWh)	5.12
Charge Voltage (Vdc)	55.0
Voltage Range [V]	44.8-56.0
Max. Charge Current (Continuous) [A]	100
Max. Discharge Current (Continuous) [A]	100

Solar Input

Max. Plus Current for 3 Sec [A]	120
Max. Plus Current for 20 Sec [A]	102
Range of working temperature [°C]	-5°C to 70°C
Recommend Storage temperature [°C]	-20°C to 50°C

General Data

Dimension [WxHxD, inch/mm]	16.7 x 25.2 x 6.2 (425mm x 640mm x 157mm)
Weight [lbs/kg]	108 lbs/49 Kg
Enclosure Protection Rating	IP21
Mounting options	Wall mounted
Certificates	UL1973
Warranty	10 years
Life Cycle	6000
Battery Breaker	125 A
Efficiency	>98%
Scalability	Up to 16 batteries in parallel 81.92KWh

SunBeat monitoring system only when paired with SunBeat hybrid inverters. When pairing with other brands follow SunBeat charging setting guidelines.

We provide the future of energy



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 system configurations (with factory design approval)



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