

# ENERGY STORAGE LITHIUM-ION BATTERY

## 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

**SUNBEAT**  
ENERGY FOR BETTER LIVING



## 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.

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

## 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.



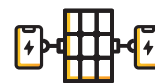
Designed for  
reliability, safety and  
ease of information



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