

SUN-BATT-5.12 ECCO **Battery**



Typical Applications

- Residential Solar Energy Storage: Ideal for storing solar energy in homes to ensure continuous power supply during grid outages.
- Hybrid Solar Inverter Integration: Functions seamlessly with 48V battery hybrid inverters for reliable energy management.
- Off-Grid Applications: Supports off-grid setups by providing efficient energy storage for remote locations without grid access.
- On-Grid with Backup Systems: Offers energy storage solutions for grid-tied systems with backup capabilities during outages.
- Industrial Energy Storage: Suitable for industries requiring backup power for critical operations and peak shaving applications.
- Microgrid Systems: Enables energy storage in microgrids to stabilize supply and demand in localized energy networks.
- Renewable Energy Projects: Enhances energy storage capabilities for solar, wind, or hybrid renewable energy systems.
- Commercial Applications: Provides businesses with an uninterrupted power supply, reducing downtime and energy costs.

Key Features

- Cell Technology: LFP (LiFePO4).
- Nominal Capacity: 100Ah.
- Operating Voltage Range: 44.8Vdc to 56.16Vdc.
- Max Charge/Discharge Current: 100A.
- General Specifications:
- Weight: 46kg.
- Installation: Floor stand or wall-mounted.
- Operating Temperature Range: Charge: 0°C to 50°C; Discharge: -15°C to 50°C.
- Ingress Protection Rating: IP20.
- Cycle Life: Minimum 7,000 half cycles or 3,500 full cycles.
- Scalability: Supports up to 15 batteries in parallel.

Technical Data

Model	Nominal Voltage	Nominal Capacity	Usable Energy	Cycle Life	Dimensions (mm)
SUN-BATT-5.12 Ecco	51.2 V	100 Ah	5.12 kWh	7,000 Half / 3,500 Full	450x150x533