

Highlights

- **Expandable capacity**
2240Wh ~ 6720Wh
- **High power**
1000W PV input
800W DC output
- **Power at any time**
Backs up excess solar energy to provide power during the night
- **DIY Installation**
Creative design for a plug & play of the energy management system
- **High safety**
LiFePo4 battery
IP65 waterproof
- **Long service life**
Over 10 years life cycle with over 6000 charge/discharge cycles



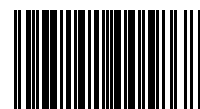
Many have a balcony power plant, but most of the solar power fizzles out unused in the grid. A power storage unit from BE COOL changes that. The BC-B2500 makes it possible to temporarily store the solar power generated during the day in order to consume it in the evening and morning hours. Every customer who already owns a mini solar system or a balcony power plant, or who would like to acquire one, is a potential customer for our BC-B2500.

How does the BC-B2500 work?

During the day, the energy generated by the solar modules flows through the B2500 battery system via MC4 plug-in cables. The intelligent control system can control the discharge time to ensure that the energy flows through at the same time. From the battery storage, it goes back through MC4 plug-in cables to a commercial micro-inverter, which converts the stored direct current into alternating current to power your household appliances. Any surplus electricity or electricity not used when you are away is intelligently stored in the battery for use at night or over the weekend.

Expandable up to 6720Wh

At night, the excess energy stored in the BC-B2500 (2,240Wh) (expandable with 2x BC-P2500 units to 6,720Wh) will continue to power most household appliances, ranging from high-powered appliances like air conditioners and refrigerators to low-powered appliances like Wi-Fi routers, lighting fixtures and laptops.



Scope of delivery

- 1x BC-B2500
- 4x MC4 extension cable
- 1x tool for removing the cables
- 1x instruction manual

Compatibility

The MC4 inputs and outputs make our battery storage compatible with all commercially available solar panels, power plants and all micro inverters approved in Europe.



Front view



Oblique view 1



Oblique view 2



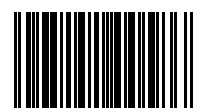
Side view



Top view



Application example



Warranty period

- 2 years

Specifications:

General:

- Capacity: 2,240 Wh
- Cell chemistry: LiFePO4
- Life cycle: 6000+, 25°C
- Storage temperature: -10°C - 55°C
- Operating temperature: 0°C - 50°C
- Material: ABS +PC+ metal
- Battery management system:
OVP, UVP, OCP, SCP, OTP, UTP, etc.

Input:

- PV input: 500Wx2 Max.
- Battery voltage range: 42V ~ 50.4V
- Charging voltage: 12V ~ 59V

Output:

- DC output: 400Wx2 Max
- DC voltage range: 42V ~ 50.4V
- Discharge current: 19.04A Max

Expandable:

- The BC-B2500 is expandable with up to 2 pieces of BP-P2500 or BC-P2500 to increase the total storage capacity from 2,240Wh to 6,720Wh max.

Dimensions:

- Product (W×H×D): 350×290×160 mm
- Packaging (W×H×D): 409×395×229 mm
- Net/gross weight: 19 kg / 22 kg

