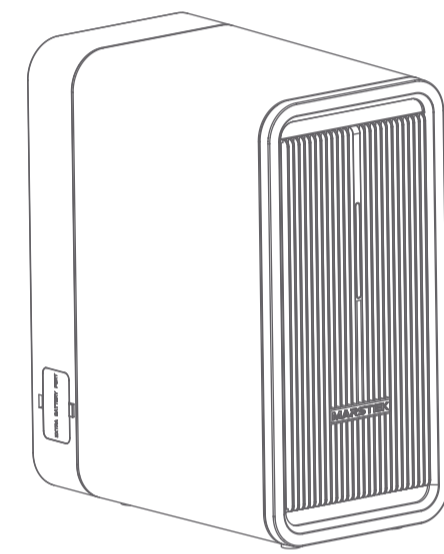


# MARSTEK | P2500

## Extra Battery Instruction Manual

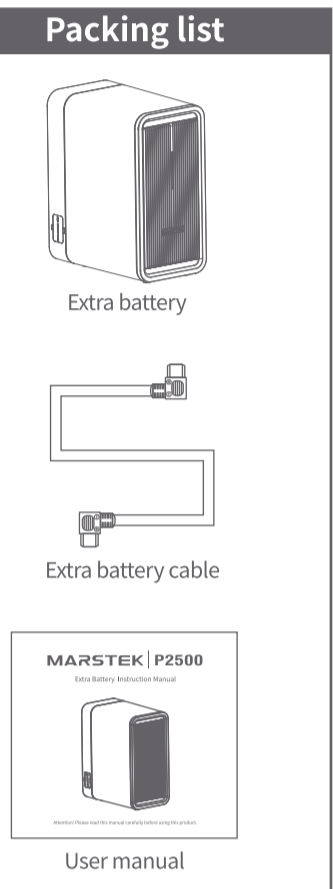
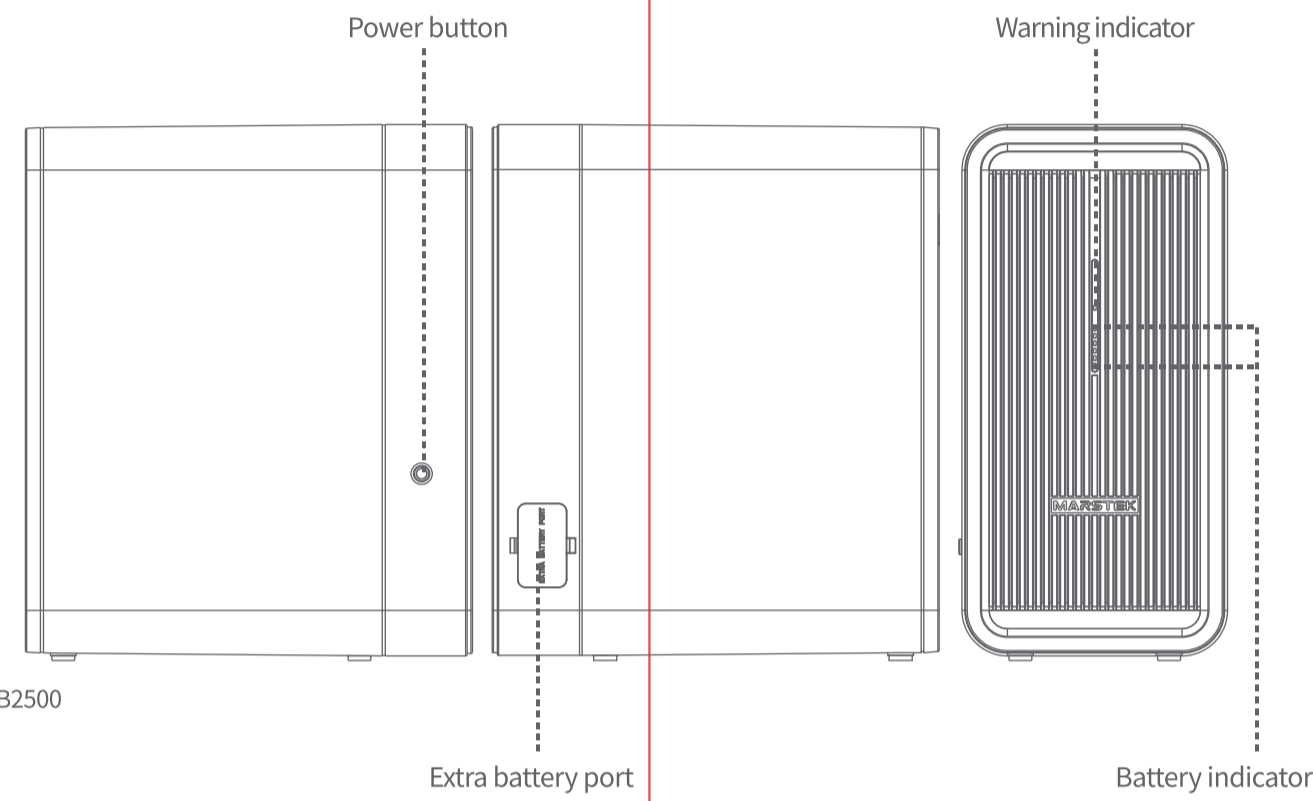


Attention! Please read this manual carefully before using this product.

**Power Button**  
Short press the Button to turn on.  
Long press 10s the Button to turn off.

**Input/Output**  
Input: (42-50.4V) 2000 Max.  
Output: (42-50.4V) 2400W Max.

\*Both output and input power depends on B2500



### Important safety information

- Do not use the product near a heat source, such as a fire source or a heating furnace.
- Avoid contact with any liquid. Do not immerse the product in water or get it wet. Do not use the product in rain or humid environments.
- Do not use the product in an environment with strong static electricity/magnetic fields.
- Do not disassemble the product in any way or pierce the product with sharp objects.
- Avoid using wires or other metal objects that may result in a short circuit.
- Do not use unofficial components or accessories if you need to replace any components or accessories, please visit official channels to check relevant information.
- When using the product, please strictly follow the operating environment temperature specified in this user manual. If the temperature is too high, it may result in a fire or explosion; if the temperature is too low, the product performance may be severely reduced, or the product may cease to work.
- Do not stack any heavy objects on the product.
- Do not lock the fan forcibly during use or place the product in an unventilated or dusty area.
- Please avoid impact, falls, or severe vibrations when using the product. In case of a severe external impact, turn off the power supply immediately and stop using the product. Ensure the product is well fastened during transportation to avoid vibrations and impacts.
- If you accidentally drop the product into water during use, please place it in a safe open area, and stay away from it until it is completely dry. The dried product should not be used again, and should be properly disposed of according to Section "Disposal Guide" below. If the product catches fire, we recommend that you use the fire extinguishers in the following order: water or water mist, sand, fire blanket, dry powder, and finally a carbon dioxide fire extinguisher.
- If you accidentally drop the product into water during use, please place it in a safe open area, and stay away from it until it is completely dry. The dried product should not be used again, and should be properly disposed of according to Section "Disposal Guide" below. If the product catches fire, we recommend that you use the fire extinguishers in the following order: water or water mist, sand, fire blanket, dry powder, and finally a carbon dioxide fire extinguisher.
- Use a dry cloth to clean off dirt on the product ports.
- Rest the product on a flat surface to avoid damages caused by the product falling over. If the product is overturned and severely damaged, turn it off immediately, place the battery in an open area, keep it away from combustible matter and people, and dispose of it in accordance with local laws and regulations.
- Ensure that the product is kept out of reach of children and pets.

- Disposal Guide**
- If conditions permit, make sure that the battery is fully discharged before disposing it in a designated battery recycling bin. The product contains batteries with potentially dangerous chemicals, so it is strictly prohibited to dispose of it in ordinary trash cans. For more details, please follow the local laws and regulations on battery recycling and disposal.
  - If the battery cannot be fully discharged due to a product failure, please do not dispose of the battery directly in the battery recycling bin. In such case, you should contact a professional battery recycling company for further processing.
  - Please dispose of over-discharged batteries that cannot be recharged.

### Specifications

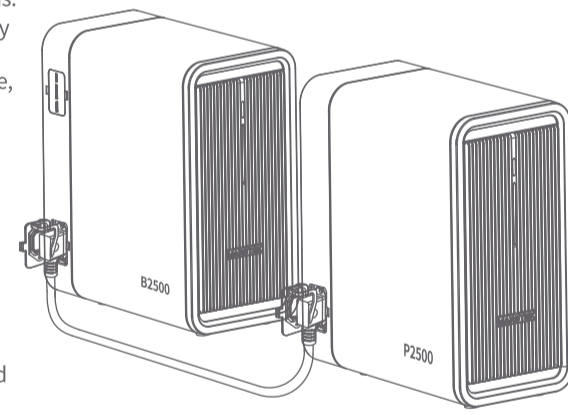
Capacity	Weight	Dimension	Input	Output	Battery Cell	Certificate
2240Wh (5000mAh@4.48V)	17.8kg	296*175*50mm	2000W Max.	2400W Max.	LiFePO <sub>4</sub> Battery	CE RoHS
Cycle times	Storage Temperature	Operation Temperature	Charging Temperature	Protect system		
6000times (25°C)	-10~55°C	-10~50°C	0~50°C	Overcharge protection, Over-discharge protection, Overcurrent protection, Over temperature protection, Short circuit protection, Overvoltage protection.		

### Use Instructions

- How to use it:**
- P2500 Extra Battery should be used with B2500, it cannot be used separately.
  - Short press the Main Power Button to turn on the product. The indicator will light up. The product enters sleep mode after 5 minutes of idle operation; the indicator will automatically turn off. When the product senses any load change or operations, the indicator will automatically light up. To turn the indicator on or off, please short press the Main Power Button.
  - To power off the product, press and hold the Main Power Button. The default product standby time is 2 hours. With other Power Buttons turned off and no other load access for 2 hours, the product will automatically shut down.
  - For use along with B2500, P2500 Extra Battery can be used with B2500. A B2500 can support up to two P2500 Extra Battery to meet more extensive capacity requirements.

### Use Instructions

- Please carefully read the following notes before using:
- Before connecting the Extra Battery to the B2500, please make sure to power off the B2500 and P2500 Extra Battery.
  - After connecting the P2500 Extra Battery to B2500, you need to make sure that the Extra Battery icons appear on both the P2500 Extra Battery and the Extra Battery LED screen. Charge or discharge the P2500 Extra Battery after you have seen both icons.
  - DO NOT connect the P2500 Extra Battery to B2500 while discharging or charging; if you need to remove the Extra Battery Cable, please make sure that the P2500 Extra Battery and B2500 are both powered off.
  - DO NOT touch the metal Extra Battery Port with your hands or other objects. Gently wipe it clean with a dry cloth when unrelated materials are attached to the metal port.
  - Tightly connect the Extra Battery Cable with B2500 and the P2500 Extra Battery. Failing to comply may heat the connection and affect the device's performance or lead to a fire.



**Operating Temperature range**  
Low temperature may affect the battery capacity of the product. The product can be charged in a temperature range of 0°C-50°C. Charge the product when the temperature is below 0°C. We recommend placing the product in an insulated cooler or other temperature conditions. The product can be used in the temperature range of -10°C-50°C. In order to extend the service life of the battery, it is recommended to use this product in the environment of 20°C to 30°C.

### Frequently Questions & Answers

- What is the battery type?**  
LiFePO<sub>4</sub> Battery.
- Can the product be taken on the aircraft?**  
No. According to the airline transportation standards, 100Wh capacity of lithium battery can not board the aircraft.
- How to estimate the working time of the product?**  
The LED display of this product can help you better understand the working status of the power supply.
- How to store the product?**  
Before storing, please turn off the product first, and then store it in a dry, ventilated place at room temperature. Do not place it near water sources. For long-term storage, please discharge the battery to 30% and recharge it to 60% every three months to extend its battery life.

### Chemical Composition of Toxic and Harmful Substances

Part Name	Toxic and harmful substances or chemical elements					
	Pb	Hg	Cd	Cr(VI)	PSB	PBDE
Product	0	0	0	0	0	0
Shell	0	0	0	0	0	0
Circuit	0	0	0	0	0	0
material	0	0	0	0	0	0
button	0	0	0	0	0	0
hardware	0	0	0	0	0	0
Charging Cable	0	0	0	0	0	0
Battery	0	0	0	0	0	0

0: The content of hazardous substances in homogeneous materials; all components are limit requirement specified in GB 26572.  
X: The content of hazardous substance in at least one of the average materials of the part exceeds the limit requirement of GB 26572, and there is no mature alternative in the industry at present, which meets the environmental protection requirements of the EU RoHS directive.  
This information for reference purposes only and does not represent a binding agreement. Product (Color, Size, OS, etc.) in kind prevail.

### Warranty and Contact Information

- Under normal use of the product, it will not affect the result of defective workmanship and materials used in the product. This warranty period describes the complete and exclusive warranty obligations of the product, and we will not assign or authorize anyone to be responsible for any other products.
- warranty period**  
Product warranty period of 10 years. In all cases, the warranty period starts from the date of purchase by the consumer. In order to ensure the start date of the warranty period, the consumer needs to provide proof of purchase or other reasonable supporting documents.
- The following conditions are not covered by the warranty
- The appearance of the product is damaged after use.
  - Unauthorized disassembly and maintenance of non-professionals.
  - Performance problems caused by human factors.
  - Damage caused by natural disasters, lightning strikes, accidents and other irresistible factors.
- How to get warranty service**  
You can contact our customer service through our official website or e-commerce platform. Thank you for your cooperation!

**Marstek Energy Co., Limited**  
Add: Rooms 1318-19, 13/F, Hollywood Plaza, 610 Nathan Road Mongkok, Kowloon, Hong Kong.  
Tel: +86 400-115-6188  
Email: support@marstekenergy.com  
Web: www.marstekenergy.com  
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