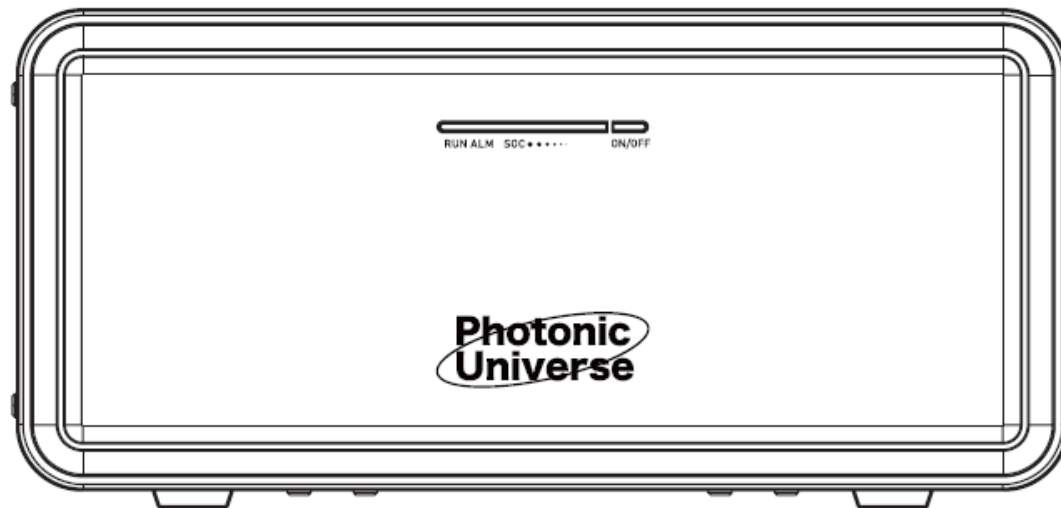


**Photonic  
Universe**

**P2400SB**

Portable power station (extra battery)  
Instruction Manual

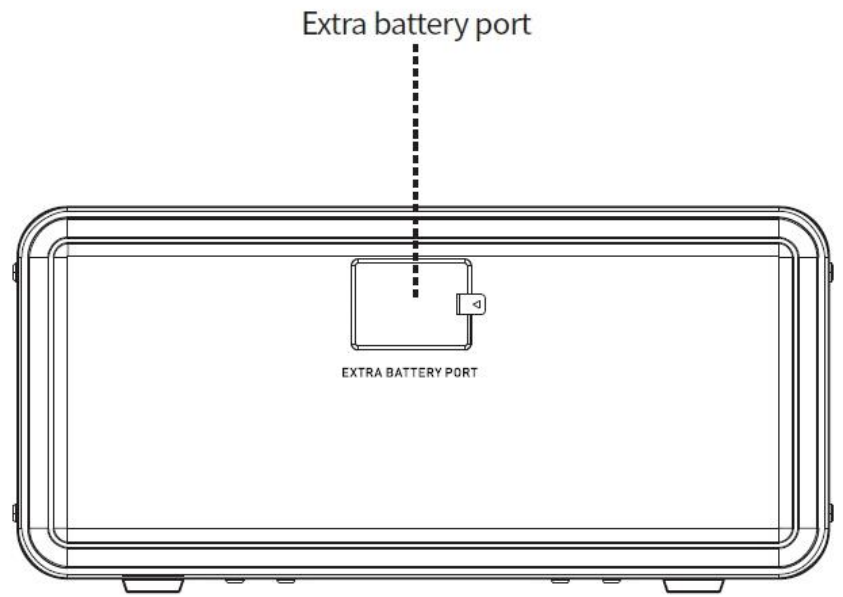
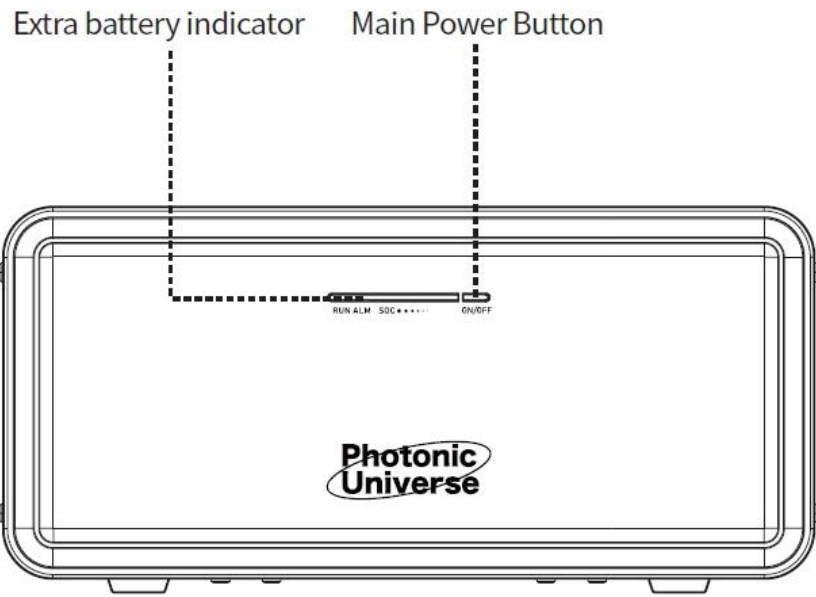


Attention! Please read this manual carefully before using this product.

**Main Power Button**  
Short press to turn the battery on  
Long press and hold 2s to turn off

**Input**  
42-50.4V/2000W maximum\*

**Output**  
42-50.4V/2400W maximum\*



\* Both output and input power depends on the master power station P2400S




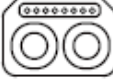
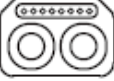


## Important safety information






1. Do not use the product near a heat source, such as a fire, engine, or heating furnace. Avoid placing it under direct sunlight.
2. Avoid contact with any liquid. Do not immerse the product in water or get it wet. Do not use the product in rain or in highly humid environments.
3. Do not use the product in an environment with strong static electricity or magnetic fields.
4. Do not disassemble the device in any manner or pierce it with sharp objects.
5. Do not cause a short-circuit. Avoid using wires or other metal objects, such as coins, jewellery, or keys, that may result in a short circuit.
6. Do not use unofficial components or accessories. If you need to replace any components or accessories, visit official channels to verify the relevant information.
7. When using the product, strictly follow the operating temperature range specified in this user manual. High temperatures may result in a fire or explosion; low temperatures may severely reduce performance or cause the product to stop functioning.
8. Do not stack heavy objects on the product.
9. Do not block the fan or place the product in an unventilated or dusty area during use.
10. Avoid impacts, falls, or severe vibrations while using the product. In case of a strong external impact, immediately turn off the power supply, stop using the product, and ensure it is well-secured during transportation to prevent further vibrations or impacts.
11. If the product is accidentally dropped into water, move it to a safe open area and stay away until it is completely dry. Do not use the dried product again. Dispose of it according to the "Disposal Guide" section below. If the product catches fire, use the following fire extinguishing methods in order: water or water mist, sand, fire blanket, dry powder, and finally, a carbon dioxide fire extinguisher.
12. Use a dry cloth to clean dirt from the product's ports.
13. Place the product on a flat surface to avoid tipping over. If the product is overturned and mechanically damaged, turn it off immediately, move it to an open area away from combustible materials, and dispose of it according to the "Disposal Guide" section below.
14. Ensure that the product is kept out of reach of children and pets.

### Disposal Guide

1. If possible, ensure that the battery is fully discharged before disposing of it in a designated battery recycling bin. The product contains batteries with potentially dangerous chemicals, so it is strictly prohibited to discard it in regular rubbish bins. For more details, please follow local laws and regulations regarding battery recycling and disposal.
2. If the battery cannot be fully discharged due to a product failure, do not dispose of it directly in a battery recycling bin. Instead, seek assistance from the battery recycling facility or contact a professional battery recycling company for proper handling.

## Specifications

						
Capacity	Weight	Dimension	Input	Output	Battery Cell	Compliance
2240Wh (50000mAh/44.8V)	19.7 kg	409*299*192mm	2000W Max.	2400W Max.	LiFePO <sub>4</sub> Battery	CE RoHS

				
Cycle times	Storage Temperature	Operation Temperature	Charging Temperature	Protect system
4000times	-10-55°C	-10-50°C	0-50°C	Overcharge protection, Over-discharge protection, Overcurrent protection, Over temperature protection, Short circuit protection, Overvoltage protection.

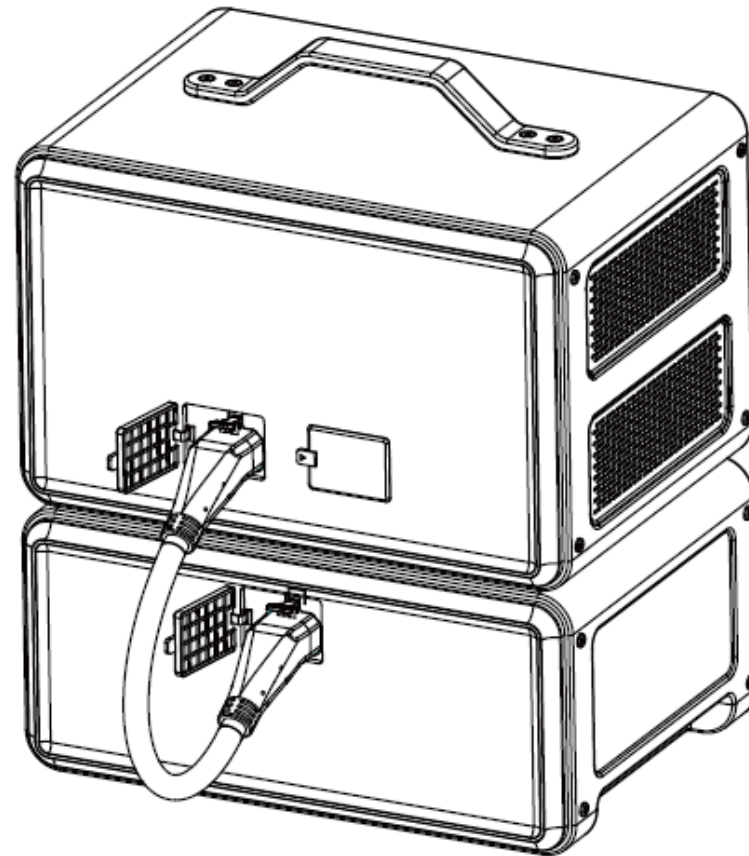
## Use Instructions

### How to use it:

1. P2400SB extra battery must only be used with a P2400S portable power station. This battery cannot be used separately.
2. Short-press the main power button to turn on the product. The indicator will light up. After 5 minutes of inactivity, the product enters sleep mode, and the indicator will automatically turn off. In the sleep mode, when the product detects any load change or operation, the indicator will automatically light up. To manually turn the indicator on or off, short-press the main power button.
3. To power off the product, press and hold the main power button for more than 2s. The default product standby time is 2 hours. If there is no load for 2 hours, the product will automatically shut down.

## Use Instructions

4. One P2400S power station can support up to two extra batteries P2400SB to meet greater capacity requirements. Follow the below instructions for connection of the battery to your power station.
5. Before connecting the extra battery, ensure that both the P2400S power station and P2400SB extra battery are fully powered off.
6. Tightly connect the extra battery cable to the P2400S power station and the P2400SB extra battery as per the diagram. A loose connection may result in reduced performance, overheating, or even a fire.
7. After connecting, confirm that the extra battery icon appears on both the P2400S power station screen and the extra battery P2400SB screen. Only use the extra battery after verifying that both icons are displayed.
8. DO NOT connect the P2400SB extra battery to the P2400S power station while it is charging or discharging. If you need to remove the extra battery cable between the units, ensure that both the P2400SB extra battery and P2400S power station are powered off.
9. DO NOT touch the metal terminals of the extra battery port with your hands or any objects. If dirt or debris is present on the metal terminals, clean them gently with a dry cloth.



## Operating temperature range:

Low temperatures may reduce the battery capacity of the product. The product can be charged within a temperature range of 0°C to 50°C. If charging is required at temperatures below 0°C, first place the product in a warm environment before charging it. For discharging, it can operate in temperatures ranging from -10°C to 50°C. In order to extend the service life of the battery, it is recommended to use this product in temperatures between 20°C and 30°C.

## Warranty information

This warranty covers defects in materials and workmanship under normal use of the product. The warranty described herein is the sole, exclusive and comprehensive warranty for this product. We do not authorise anyone else to provide additional warranties or assume any other liabilities.

### Warranty period

The product warranty period is one year. In all cases, the warranty period starts from the date of purchase. Proof of purchase and other supporting documents, information, or verification may be required.

### The following conditions are not covered under the warranty:

1. Damage to the product occurring after use, and any type of mechanical impact.
2. Unauthorised disassembly, modifications or repairs performed on the product.
3. Performance issues caused by misuse, abuse, or negligence.
4. Damage caused by humidity, contact with water or liquids, corrosive substances, excessive heat, or damage resulting from natural disasters, lightning, accidents, or other abnormal events.

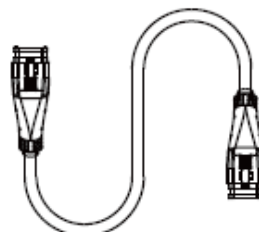
### How to get the warranty service

Please contact us by phone or email with as much information about the problem as possible, including photos and videos if applicable. For any eligible warranty issues, our technical team will provide a Return Merchandise Authorisation (RMA) and return instructions for the product, including the address where the product can be returned for warranty service.

## Packing list



Extra battery



Extra battery cable



User manual

## Frequently asked questions

### What is the battery type?

LiFePO4 battery.

### Can the product be taken on the aircraft?

Typically not. According to airline transportation regulations, lithium batteries with a capacity over 100Wh cannot be taken on board aircraft. Please check with your airline for more information.

### How to estimate the working time of the product?

The LED display of this product can help estimate the remaining working time by checking the state of charge (SOC) of the battery.

### How to store the product?

Before storing the product, ensure it is turned off. Place it in a dry, well-ventilated location at room temperature. Avoid placing it near water or heat sources. For long-term storage, discharge the battery to approximately 30% and recharge it to around 60% every three months to help extend its lifespan.

## Chemical composition of toxic and harmful substances

Part Name	Toxic and harmful substances or chemical elements					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
Product shell	0	0	0	0	0	0
Circuit module	X	0	0	0	0	0
button	0	0	0	0	0	0
Small hardware	0	0	0	0	0	0
Charging Cable	0	0	0	0	0	0
Battery	0	0	0	0	0	0

O: The content of hazardous substances in homogeneous materials all components are limit requirement specified in GB / T 26572.  
X: The content of hazardous substance in at least one of the average materials of the part exceeds the limit requirement of GB-T 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 (Colour, Size, OSD, etc) in kind prevail.

Photonic Universe Ltd  
TMS House, Cray Avenue, Orpington,  
Kent, BR5 3QB, United Kingdom  
Tel: +44 (0) 203 150 11 11  
Email: info@photonicuniverse.com

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