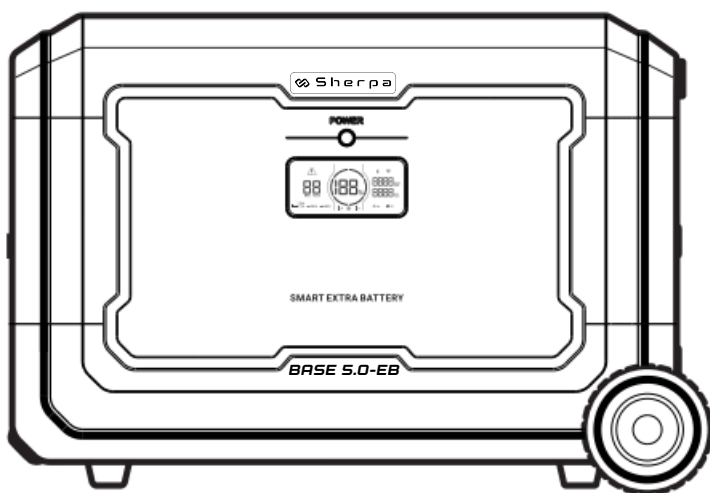




## ***BASE 5.0-EB***



**Please read the user manual thoroughly before using**

CONTENTS

**Box Contents** .....1

**Product Specifications** .....2-3

    Output and Input Specifications .....2

    Function Overview .....3

    Display Overview .....4

**Operation Instructions** .....4-5

    Cascading and Expandable Battery Charging .....5

**FAQ** .....6

**Fault Code and Trouble Shooting** .....7

**Storage & Maintenance** .....8

**Warranty Exclusions** .....9

**Disclaimer** ..... 10

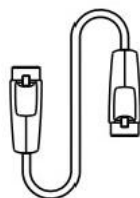
**Disposal** .....11

    Support .....11

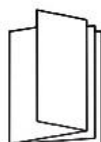
## BOX CONTENTS



**BASE 5.0-EB**



**Extra Battery Link Cable**



**User Manual**

# PRODUCT SPECIFICATIONS

## BATTERY

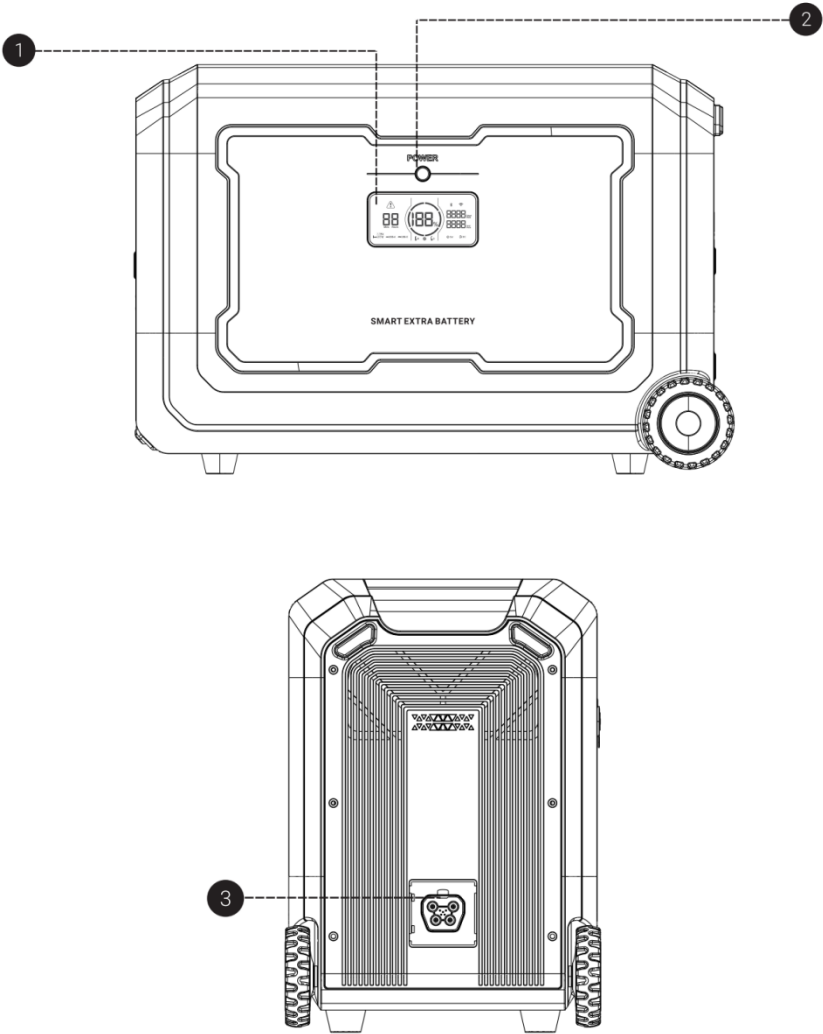
Rated Capacity	5040Wh
Rated Voltage	51.2V DC
Battery Type	LiFePO4

## GENERAL

IP Grade	IP21
Working Temperature	0~40℃
Dimensions	642 x 305 x 438 mm
Net Weight	44kg

# FUNCTION OVERVIEW

**Important:** On first use of your Sherpa product, please run one full cycle of the battery to condition the cells and calibrate the Battery Management System. This will also improve accuracy on the display screen.

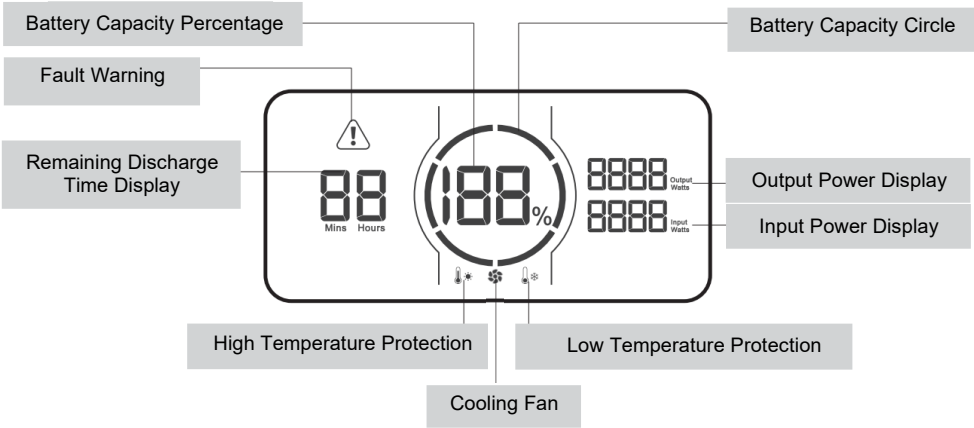


1. LCD Screen

2. Main Power On/Off

3. Extra Battery Cascade Port

# DISPLAY OVERVIEW



# OPERATION INSTRUCTIONS

Powering the power unit ON/OFF:

Long press the main power button once to turn the BASE 5.0-EB ON. No outputs will be activated, just the display. Press and hold the main power button for at least 3 seconds to turn the power OFF.

Display Sleep Mode:

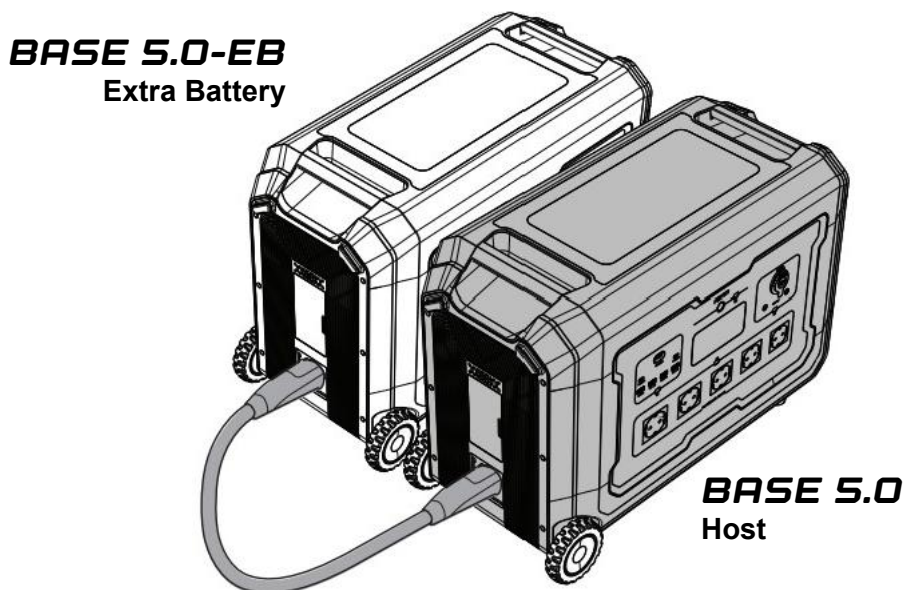
Quick press the main power button to turn off the LCD display to save energy but keeping the unit ON. Quick press again to wake the LCD display up. After 5 minutes, the LCD automatically goes to sleep while the unit is not in use.

Unit Sleep Mode:

The BASE 5.0-EB will enter sleep mode after 12 hours if not in use or with loads connected to save battery energy.

## Cascading with a Host Unit (BASE 5.0)

Up to 15 extra battery packs can be connected to the BASE 5.0 by following the instructions below. All linked units will charge in tandem via the host unit from mains AC, vehicle or solar.



### Cascading Procedure:

1. Please make sure that both the BASE 5.0 and any extra batteries are turned OFF before connecting.
2. After the host is connected to all extra batteries, long-press the main power button on any unit to power all units simultaneously.
3. Do not connect or remove any link cables during the charging and discharging process or while units are ON. Always power all units OFF before disconnecting or connecting the link cables.
4. Do not touch or put any conductive items in contact with the cascade ports.

**Note:** Ensure the ports are covered when not in use and that they do not get dirty. Failure to follow the correct procedures can result in damage to the unit.

## FREQUENTLY ASKED QUESTIONS

Q1. What type of battery does the product use?

A1. It uses high-quality lithium iron phosphate batteries (LiFePO<sub>4</sub>).

Q2. How long can the product charge or run my devices?

A2. The remaining energy time is shown on the product's LCD display, which is more accurate when appliances using a constant power are used.

Q3. How do I know if the product is charging?

A3. The input power is shown in Watts on the LCD display. The circular charging indicator icon rotates to indicate charge activity.

Q4. How do I clean the product?

A4. Wipe it with a dry, soft, clean cloth.

Q5. How to store the product?






A5. Please charge fully then turn off the BASE 5.0-EB and store it in a dry, ventilated place at room temperature. Do not place it near water sources. For long-term storage, please discharge and charge it every three months to extend its battery life.

Q6. Can this product be transported by plane?

A6. No, it is classed as dangerous goods and must be shipped by sea and land only.

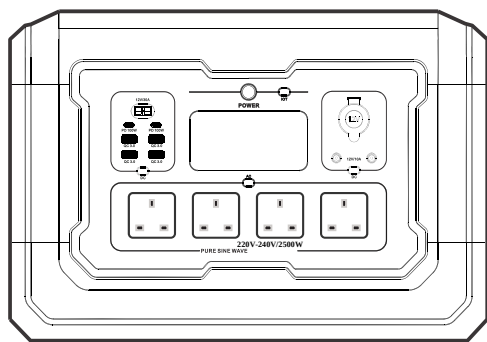


# FAULT CODES AND TROUBLESHOOTING

Code	Description	Symptom	Trouble Shooting
E021	Single cell of the battery has high-voltage	Capacity indicator flashes	Set the device aside and wait for the battery voltage to recover automatically
E022	Single cell of the battery has low-voltage	E022 code flashing	Discharge and charge fully to balance cells
E023	Internal high-voltage	E023 code flashing,unit does not shut down	Set the device aside and wait for the battery voltage to recover automatically
E024	Internal low-voltage	 Flashing, no output	Discharge and charge fully to balance cells
E025	Battery cell high-temperature	  Flashing, no output	Allow the unit to cool down before using it again
E026	Battery cell low-temperature	  Flashing, no output	Allow the unit to warm up slowly before using it again
E027	System overload	The AC icon flashes, AC output disabled. DC and AC combined load is higher than 2600W	Manually press the AC power ON/OFF button to reset

## STORAGE AND MAINTENANCE

1. Please store the product away from moisture, in a dry, ventilated place.
2. To prolong the life of the battery, we recommend using or storing this product at temperatures between 20 °C and 30 °C
3. For long-term storage, we recommend discharging the battery to 30% every three months and recharging it to 60% to sustain the battery life.  
If left discharged for more than 6 months, it may enter deep-discharge and will not be covered under warranty.
4. For safety, do not store this product in extreme temperatures (above 45 °C or below -10 °C) for a long time.
5. Over longer periods, please store the unit horizontally as shown.



## WARRANTY EXCLUSIONS

1. Misused, abused, damaged by accident or damaged due to force majeure (e.g. lightning strikes, hurricane, floods, etc.).
2. Unauthorised modification, repair, dis-assembly or operation not in accordance with the official instructions or manuals.
3. Any defects or damages caused by reliability or compatibility issues when using unauthorised third-party parts.
4. Purchase from unauthorised resellers.
5. Use for special applications other than normal consumer use.
6. Lost, stolen or fully refunded product.
7. Any defect or damage caused by exposure to excessive heat, cold, liquids or other external causes.
8. Invalid proof of purchase.
9. Warranty period expired.
10. The battery model on the warranty certificate does not match the actual item.
11. Product wear and tear from general use.
12. Inadequate storage and/or incorrect maintenance of the battery.

## DISCLAIMER

Read this user manual carefully before using the product to ensure that you completely understand the product and can correctly use it. After reading this user manual, keep it safe for future reference. Improper use of this product may cause serious injury to yourself or others, or cause product damage and property loss. Once you use this product, it is deemed that you understand, approve and accept all the terms and content in this document. Sherpa Tek Ltd is not liable for any loss caused by the user's failure to use this product in compliance with this User Manual.

In compliance with laws and regulations, Sherpa Tek Ltd reserves the right to final interpretation of this document and all documents related to this product. This document is subject to changes updates, revisions, or termination) without prior notice. Please visit the official website to obtain the latest product information.

Please read our warranty exclusions on Page 9 for our terms and conditions.

## DISPOSAL

1. When conditions permit, please be sure to completely discharge the battery of this product, and then put the product in the designated battery recycling box. This product contains batteries which contain dangerous chemicals and are strictly prohibited from being disposed of in general waste. For details, please follow local laws and regulations on battery recycling and disposal.
2. If the battery cannot be completely discharged due to the failure of the product itself, please do not dispose of the battery directly in the battery recycling box, and contact a professional battery recycling company for further advice.
3. The battery can enter a deep discharge state if left to drain over a long period and will no longer be able to accept charge, please dispose of it according to current waste regulations.

**CUSTOMER SUPPORT :** [support@sherpapower.co.uk](mailto:support@sherpapower.co.uk)

[www.sherpapower.co.uk](http://www.sherpapower.co.uk)

Sherpa Tek Ltd.



*Own Your Energy*