

Power Box User Manual

V 2.0



**Power Box
Model**

LS-L1024

Disclaimer

Before using this product, please read this document carefully to ensure that you fully understand it and can use it properly.

After reading this document, keep it in a safe place for future reference.

Improper operation of this product may result in serious injury to yourself or others, or damage to this product and other property.

By using this product you are deemed to have understood, acknowledged and accepted all the terms and conditions of this document.

The Company shall not be liable for any damages caused by the user's failure to operate this product in accordance with the instructions for use.

In accordance with laws and regulations, the Company reserves the right of final interpretation of this document and all documents related to this product.

This document is subject to update without notice, please visit the official website for the latest version.

This manual describes the assembly, installation, commissioning, maintenance and troubleshooting of the next model product.

•LS-L1024

Contents

1. Safety Instruction	2
1.1 Usage -----	2
1.2 EC DECLARATION OF CONFORMITY -----	3
1.3 Important Tips -----	3
2. Specifications	4
3. Delivery List	4
4. Product Details	5
4.1 Overview -----	5
4.2 Button & LED Screen -----	5
4.3 Expandable -----	5
5. Application Scenarios	6

1. Safety Instruction

1.1 Usage

1. Before installing using or servicing this product, please read all documentation carefully, which may have changed due to product updates or other reasons.
2. Before installing, check the packaging and appearance of the unit to ensure that it has not been damaged during transportation.
3. Before connecting, make sure all cables and plugs are intact and dry to avoid electric shock.
4. Before the end of the installation, make sure that the solar PV panels, equipment is disconnected from the home power supply.
5. Do not install or operate the equipment under extreme weather conditions, such as lightning, snow, heavy rain, strong winds, etc.
6. Warning signs on the equipment must not be damaged, painted over or torn off.
7. After installation, remove any remnants of the installation, such as cut cable ties, torn insulation, etc.
8. For safety reasons, the equipment should use original or authorized cables. We are not responsible for damage to the equipment caused by the use of third-party accessories.
9. Ensure that the equipment is installed, operated or stored in a well-ventilated area. Inadequate ventilation can cause permanent damage to the equipment.
10. Do not install or place the device in a strong electrical and magnetic field environment to avoid radio
11. Do not install the equipment in flammable, explosive, corrosive, extremely hot, cold and humid
12. Do not install the device where children and pets can touch it.
13. Do not attempt to repair the equipment. If a malfunction occurs, contact our customer support, department and initiate the replacement process.
14. Unauthorized repair or opening of the device will void the warranty policy.

1. Safety Instruction

1.2 EC DECLARATION OF CONFORMITY

LONGSHENG ENERGY TECHNOLOGY CO., LIMITED declares that this product complies with directive 2015/863/EU (ROHS), EN IEC 61000-6-1:2019

The full text of the Declaration of Conformity is available at the following web address:
<https://www.lionshee.com/privacy-policy.htm>

Notation	Clarification
	Declaration of conformity The EU Declaration of Conformity can be requested at the address: https://www.lionshee.com/Disposaldownload.html
	Disposal Disposal of packaging.Dispose of the packaging separately by type Dispose of cardboard and paper in the waste paper collection. Foilsfor recycling collection.
	Dispose of old equipment (applies in the European Union and other European countries with separate collection (waste collection))Old equipment must not be disposed of in household waste! Every consumer is legally obliged to dispose of old equipment that can no longer be used separately from household waste, for example at a collection point for recyclables.To ensure proper recycling and avoid negative impact on the environment, electronic devices must be taken to a collection point in their community or district. For this reason, electronic devices are marked with the symbol shown here.

1.3 Important Tips

Notation	Clarification
	It is recommended to use this product in an environment at 15°C~30°C, away from water, fire and other sharp objects.
	For long-term storage, please charge and discharge this product once every 3 months.That is, discharge the product to 30% first,and then recharge it to 60%.
	For safety reasons, do not store this product in an environment above 35°C or below -10°C for a long time.
	If the power of this product is lower than 1% after use, please charge it to 60% before storing it.Leaving the battery discharged for a long time can cause irreversible damage to the battery and shorten the service life of the product.
	Do not disassemble the product. When service or repair is required,please consult official Lionshee support. Improper disassembly orreassembly may result in a risk of fire or personal injury.

2. Specifications

Model	LS-L1024
Nominal Capacity	1024Wh
Nominal Voltage	52V
Working Voltage Range	40-58.4V
Battery Type	LiFePO4
Dimension (W*D*H)	320*200*196mm
Weight	9.3kg
Compatible	6
Operating Ambient Temperature Range	-20°-60°
Protection Grade	IP65
Cooling	Nature Cooling
Warranty	5 Years
Cycle times	6000
Protocol type	CAN/RS-485
Standards	2015/863/EU (ROHS) EN IEC 62368-1:2020+A11:2020 EMC EN IEC 61000-3-2:2019

3. Delivery List



1024wh Power Box*1



Silicone Male Cover*1



Silicone Female Cover*1



User Manual*1

4. Product Details

4.1 Overview



4. Product Details

4.2 Button & LED Screen

Power button: turn on/turn off the power box.

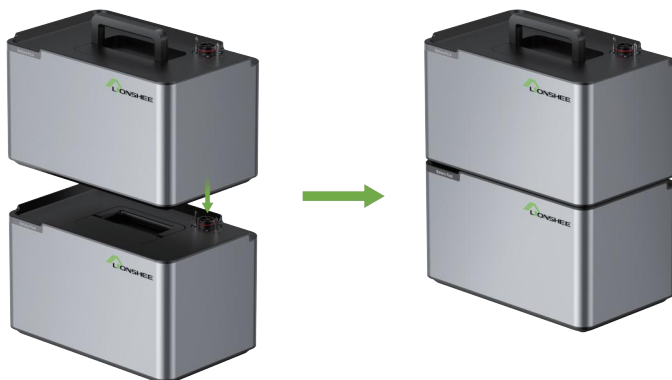
Screen power button: turn on/turn off the screen.

Screen switch button: switch to the battery power, battery voltage, charging current, battery capacity interface .

4.3 Expandable

LS-L1024 power box can be stacked on and connected with another unit, it can expand up to 5120wh.

Stacking on the other LS-L1024 power box, the connection has been completed.



5. Application Scenarios

