

EASYLONGER GP13

EASYLONGER ES270 CPAP Battery User Manual

Model: GP13

Brand: EASYLONGER

1. INTRODUCTION

Thank you for choosing the EASYLONGER ES270 CPAP Battery. This portable power bank is designed to provide reliable and uninterrupted power for your CPAP machine, making it ideal for air travel, camping, and as a backup power source during outages. With its 99.9Wh capacity, it is airline-approved for carry-on luggage. The ES270 also features PD 100W fast charging for laptops and other devices, along with built-in wireless charging.

This manual provides essential information on how to set up, operate, maintain, and troubleshoot your ES270 CPAP Battery. Please read it thoroughly before use to ensure safe and optimal performance.

2. PRODUCT OVERVIEW

2.1 Package Contents

Upon opening the package, please verify that all items listed below are present and in good condition:

- 1 × EASYLONGER ES270 CPAP Battery Pack
- 4 × CPAP Charge Cables (compatible with ResMed AirMini, AirSense 11, AirSense 10, AirCurve 10, AirCurve 11, S9, Philips DreamStation, DreamStation 2)
- 1 × USB-C to C Cable
- 1 × User Guide (this manual)

2.2 Device Layout

The EASYLONGER ES270 features a compact design with multiple input and output ports for versatile charging. The front panel includes a digital display for real-time status updates.



Image: Front view of the EASYLONGER ES270 CPAP Battery, showing the digital display, USB-C input/output, USB-A output, and DC input/output ports.

3 Ways Charge the ES270 CPAP Battery

USB C IN

60W+ Adapter

2h



DC IN

72W+ Adapter

1.5-2h



Solar Panel IN

72W+ Solar Panel

1.5-2h



- * USBC IN and DC IN can't be charged at the same time
- * Adapter and solar panel not included in package

Image: The EASYLONGER ES270 battery alongside its included accessories, including the user manual, USB-C cable, and four different CPAP charging cables.

3. SETUP

3.1 Initial Charging

Before first use, it is recommended to fully charge your EASYLONGER ES270 battery. Refer to Section 4.1 for detailed charging instructions.

3.2 Connecting to CPAP Machine

Identify the correct CPAP charge cable from the included set that matches your CPAP machine model. Connect one end of the cable to the DC OUT port on the ES270 and the other end to your CPAP machine's power input.

Package Come with 4pcs CPAP Cable



NOTE: *A separate purchase of cable kit is required for other CPAP machines.

***CPAP machine not included.**

Image: A visual guide showing the four included CPAP cables and their compatibility with various ResMed (AirMini, AirSense 10/11, AirCurve 10/11, S9) and Philips DreamStation models. Note: A separate purchase of a cable kit is required for other CPAP machines.

4. OPERATING INSTRUCTIONS













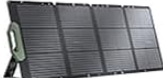


4.1 Charging the ES270 Battery

The ES270 can be recharged using multiple methods:

- **USB-C Input:** Use a PD 60W or higher adapter (not included) with the USB-C to C cable. Full recharge takes approximately 1.5-2 hours.
- **DC Input:** Use a 72W adapter (not included) with the DC input port. Full recharge takes approximately 1.4 hours.
- **Solar Panel:** Connect a compatible solar panel (not included) to the USB-C or DC input port. Recharge time varies based on solar intensity.
- **Car Charger:** Use a compatible car charger (not included) with the USB-C or DC input port.

Note: USB-C IN and DC IN ports cannot be used simultaneously for charging.

Widely Compatible

DC OUT	 AirMini	 DC Powered Laptop	 Router
USB-C1 OUT	 MacBook Pro 14"	 iPad Pro	 Drone
USB-C2 OUT	 iPhone	 Android Phones	 Android Tablets
USB-A OUT	 Smart Watches	 AirPods	 Bluetooth Speakers
DC IN USB-C IN	 Solar Panel	 60W PD Charger	 DC Wall Charger

***Not limited to the above equipment**



Image: Illustration showing three methods to charge the ES270: via USB-C with a 60W+ adapter, via DC input with a 72W+ adapter, and via solar panel. Adapters and solar panel are not included.

4.2 Powering CPAP Machines

The ES270 is designed to power various CPAP machines. For optimal runtime, especially with high-power CPAP machines, it is recommended to turn off humidification and heated tubing features.

99.9Wh CPAP Battery for Air-travel

Easily Portable and Always Reliable

TSA / FAA
Approved



Image: A man using the EASYLONGER ES270 to power a CPAP machine on an airplane, highlighting its portability and airline approval for air travel.

Comparison of CPAP Runtime

e.g. : **AirMini**

9Hrs
Humidifier & Heated Tube **OFF**

2Hrs
Humidifier & Heated Tube **ON**



***Recommended Turn off the Humidifier and Heating Tube to Extend the Running Time**

Image: A comparison illustrating CPAP runtime with the humidifier and heated tube off (9 hours) versus on (2 hours), emphasizing the importance of disabling these features for extended battery life.

4.3 Pass-Through Function

The ES270 supports pass-through charging, allowing it to power your CPAP device while simultaneously being recharged. This feature ensures uninterrupted operation during short power outages, maintaining your sleep quality.

Using “Pass-through Function” to Charge CPAP Machine

Enjoy Uninterrupted Sleep even during a power outage.

USB C IN — DC OUT



DC IN — DC OUT



Image: Two scenarios demonstrating the pass-through function: one showing USB-C input to DC output, and another showing DC input to DC output, both allowing continuous CPAP operation while the battery charges.

4.4 Fast Charging for Laptops and Other Devices

The ES270 features a PD 100W USB-C output port, capable of fast charging compatible laptops, tablets, and smartphones. The DC OUT port also provides up to 84W max output.

- **USB-C OUT (100W Max):** Ideal for MacBook Pro 14" (0% to 50% in 30 minutes), iPad Pro, and other USB-C powered devices.
- **USB-A OUT:** For charging smartphones, smartwatches, AirPods, and Bluetooth speakers.

100W Fast Charging for Laptop

Both USB-C and DC ports can be used to power laptops

USB-C OUT
100W Max

DC OUT
84W Max

MacBook Pro 14"
30min ⚡ 0-50%



Image: A person using the EASYLONGER ES270 to fast charge a MacBook Pro 14" via the USB-C port, illustrating its 100W fast charging capability for laptops.

4.5 Wireless Charging

The ES270 includes a built-in wireless charging pad. Simply place your Qi-compatible smartphone on the designated charging area on top of the battery to initiate wireless charging. The digital display will show the charging status.

Built-in Wireless Charging



Image: A person using the wireless charging feature of the EASYLONGER ES270 to charge a smartphone while working on a laptop outdoors, demonstrating convenience and versatility.

5. MAINTENANCE

To ensure the longevity and optimal performance of your EASYLONGER ES270 CPAP Battery, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using abrasive cleaners or solvents.

- **Storage:** Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, charge the battery to approximately 50-70% every 3-6 months to maintain battery health.
- **Temperature:** Avoid exposing the device to temperatures below 0°C (32°F) or above 45°C (113°F) during operation or storage.
- **Handling:** Do not drop, puncture, or disassemble the battery. This can cause damage and void the warranty.

6. TROUBLESHOOTING

If you encounter issues with your EASYLONGER ES270, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not charging	Charging cable or adapter faulty; incorrect adapter used; battery fully charged.	Ensure charging cable is securely connected. Use a compatible PD 60W+ USB-C adapter or 72W+ DC adapter. Check digital display for charge status.
CPAP machine not powering on	Incorrect CPAP cable; battery low; CPAP machine power requirements too high (e.g., humidifier on).	Verify correct CPAP cable is used and securely connected. Ensure ES270 has sufficient charge. Turn off humidification and heated tubing on CPAP machine.
Wireless charging not working	Phone not Qi-compatible; phone not placed correctly; foreign objects on charging pad.	Ensure your device supports Qi wireless charging. Reposition phone on the charging pad. Remove any metal objects or thick cases.
Digital display not working	Device off; internal malfunction.	Press the power button to activate the display. If issue persists, contact customer support.

If the problem persists after attempting these solutions, please refer to the warranty and support section for further assistance.

7. SPECIFICATIONS

Detailed technical specifications for the EASYLONGER ES270 CPAP Battery:

- **Product Dimensions:** 5.1 × 2.9 × 1.9 inches (13 × 7.4 × 4.8 cm)
- **Item Weight:** 2.4 pounds (1.09 kg)
- **Model Number:** GP13
- **Battery Capacity:** 99.9Wh (27000 Milliamp Hours)
- **Connector Type:** DC, USB Type C
- **Voltage:** 12V, 24V (DC Output)
- **Special Features:** Digital Display, Fast Charging (PD 100W), Over Charging Protection, Short Circuit Protection, Wireless Charging
- **Manufacturer:** Dongguan Yihang Electronic Co., Ltd

8. SAFETY INFORMATION

The EASYLONGER ES270 is equipped with an advanced Built-in Battery Management System (BMS) that provides comprehensive protection against various electrical hazards:

- Short-circuit Protection
- Overcurrent Protection
- Over-discharge Protection
- Overcharge Protection
- Temperature Protection





General Safety Precautions:

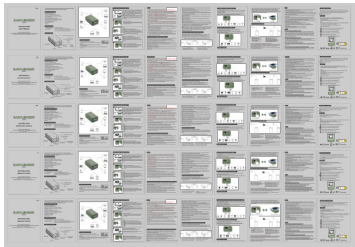
- Do not expose the battery to water, fire, or extreme heat.
- Do not attempt to disassemble, repair, or modify the device.
- Keep out of reach of children.
- Dispose of the battery according to local regulations. Do not dispose of with household waste.

9. WARRANTY AND SUPPORT

For detailed information regarding the product warranty, return policy, and customer support, please refer to the specific warranty card or contact information provided within the physical user guide included in your product package. You may also visit the official EASYLONGER website for the most up-to-date support resources.

Related Documents

	<p>EASYLONGER EL240 Laptop Power Bank User Manual</p> <p>User manual for the EASYLONGER EL240 Laptop Power Bank, detailing its specifications, features, charging instructions for laptops, CPAPs, and other devices, as well as troubleshooting and warranty information.</p>
	<p>EASYLONGER ES270 (GP13) User Manual</p> <p>User manual for the EASYLONGER ES270 (GP13), providing instructions and specifications for its operation and features.</p>
	<p>EASYLONGER Backup Power Supply Travel Letter for CPAP Devices</p> <p>This travel letter from EASYLONGER provides essential information regarding their backup power supplies for CPAP devices, including compatibility, EASA certification, and battery specifications for travel.</p>
	<p>EASYLONGER EL268 LITE/AIR Power Bank User Manual</p> <p>Comprehensive user manual for the EASYLONGER EL268 LITE and EL268 AIR 26800mAh power banks, detailing features, specifications, charging instructions, troubleshooting, and safety guidelines.</p>



[EASYLONGER ES270 \(GP13\) User Manual](#)

User manual for the EASYLONGER ES270 (GP13), providing instructions and specifications for its operation and features.

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