# EASYLONGER

# **CPAP BATTERY BACKUP**

**USER'S MANUAL** 

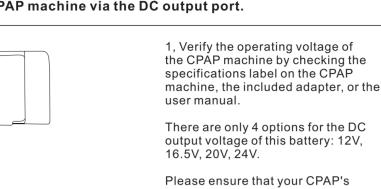
- Easy Charge, Longer Power -

or more information visit our support page at www.easylonger.com Lifetime Customer Support: support@easylonger.com

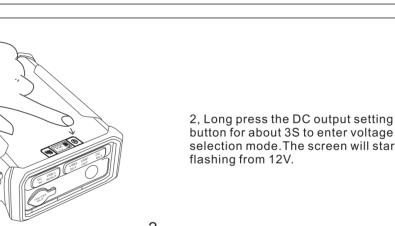
# For CPAP For USB C laptop —

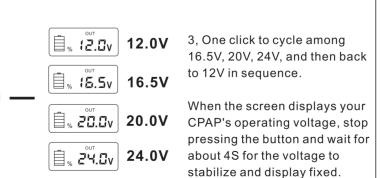
# How to power the CPAP machine

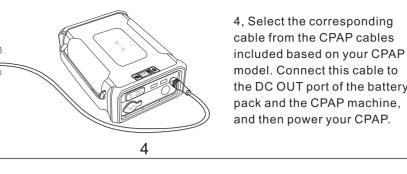
Option 1: Power the CPAP machine via the DC output port.

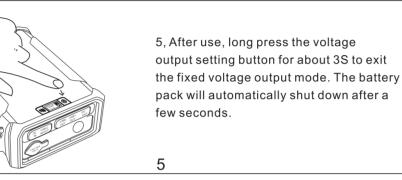


operating voltage matches one of these options, otherwise, you won't be able to use the battery's DC port to power your CPAP, need to follow option 2 or option 3.





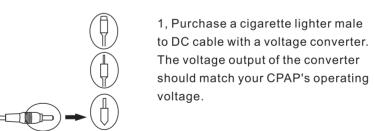


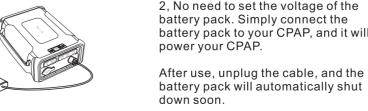


\* The included 4 CPAP cables are only compatible with the following models: ResMed S9. AirSense 10, AirCurve 10, AirSense 11, AirMini, Philips DreamStation, and DreamStation 2. Several factors can influence the runtime of a CPAP machine: If you have a different CPAP model, please purchase the corresponding DC cable separately

X Remember to set the voltage again when using the device next time. life as they consume a considerable amount of power.

3, Mask Type: Different types of masks can impact airflow resistance, affecting the power Option 2: Power the CPAP machine via the cigarette lighter output socket





power consumption.

Option 3: Power the CPAP by using the CPAP machine's included AC adapter through the battery pack's cigarette lighter port. (Applicable for CPAP machine models that do not support DC input or users who don't want to set the voltage

> 1. Purchase a car inverter with an output power of 150W or more. pack's cigarette lighter port. Connect the CPAP machine's included AC adapter to the inverter and your CPA

Our advise Direct Connection to CPAP with included DC cables

machine.

6, Auto Leak Compensation: The feature compensates for mask leaks, which can increase

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required by the CPAP machine.

can affect initial power usage.

**X** Factors affecting CPAP runtime:

operating time of the CPAP on battery power.

\*If you can't find the right cable yourself, contact us and we will recommend the right cable for

machine. Then power your CPAP

1, Humidifier and Heater Use: Using the humidifier and heater can significantly reduce battery

Using a Cigarette Lighter Cable with a Voltage Converter 2. Pressure Settings: Higher pressure settings increase power consumption and thus reduce the

Auto Mode: Auto mode adjusts pressure based on the user's needs, potentially increasing

Luna G3 Auto Luna II QX Auto Resvent ibreeze DreamStation G0 5. Machine Type: Different CPAP models have varying power efficiencies and requirements.

7, Ramp Feature (On/Off/Time Setting): The ramp feature gradually increases pressure and

3. Exhalation pressure relief setting: The CPAP exhalation pressure relief function increase

control complexity and frequent pressure adjustments, thereby increasing power consumption ), Therapy Mode: Different therapy modes (e.g., CPAP, BiPAP) have different power requirements. Using an Inverter Connected to a Battery Pack 10. Ambient Temperature: Extreme temperatures can impact battery efficiency and CPAP operation. I, User's Breathing Habits: Variations in breathing patterns can affect the CPAP's power usage. 2, Altitude: Higher altitudes can affect air density and pressure requirements, influencing

13. Bluetooth/App/Wireless: These features involve sending and receiving data, running continuously in the background to monitor and control the status of the respiratory device, and constantly searching for available signals and connections, all of which increase power

14, Battery Capacity: A higher-capacity battery can provide longer operating times 15, Smart start/stop feature: This function requires the CPAP device to continuously monito Prisma SMART Breas Z2 Travel Prisma SOFT Luna TravelPAP execute algorithmic computations, utilize sensors, and provide real-time responses, resulting in 16, Other influencing factors.

Under the same settings and usage conditions, power consumption will be as follows: Travel/Mi CPAP < CPAP machine < Automatic Positive Airway Pressure (APAP) < BiLevels & BiPAP.

· Click the power button 1 to activate the wireless By considering these factors, you need to estimate the expected runtime of their CPAP machine and plan accordingly, such as ensuring they have sufficient battery capacity for overnight use or adjusting settings to optimize power efficiency.

**Note:** The screen displays a range of battery levels, and since the State of Charge (SOC) estimation of current LiFePO4 batteries can be imprecise, it may not reflect the actual remaining

\* When charging the device:

AC adapter.

battery power. If you are using the battery pack independently rather than as a UPS, please use IN OUT  $((\cdot))$  IN OUT  $((\cdot))$  IN OUT  $((\cdot))$  IN OUT  $((\cdot))$ the included AC adapter or an additional PD charger to charge the battery pack and check the actual remaining power. We strongly recommend fully charging it before use to avoid inaccurate estimates of remaining battery life, which could result in shorter-than-expected CPAP runting affecting your night's sleep or travel plans.

Dreamstation ResMed S9

When recharging the battery pack: The LED screen will display "IN", and the corresponding bar graph for the battery level will blink. When the battery is fully recharged, all 4 bars will keep lighting.

— IN OUT (((⋅)))

The LED screen displays "OUT", and as the battery level decreases, the bars will disappear

## How to recharge the battery pack

There are 4 options for recharging the battery pack:

# Powering other devices

1. Both QC 3.0 USB1 and USB2 ports are compatible with various devices, including

smartphones, tablets, cameras, and other digital devices.

2. The USB-C port can be used with most USB-C compatible laptops and devices (up to PD 60W) 3. Supports 12V devices under 150W, such as car refrigerators, air pumps, drone batteries,

outdoor tent lights, lamps, fishing lights, hunting lights, fans, etc.

Simply connect your device to the battery pack using a USB or cigarette lighter cable, and it will automatically start charging the device. If you encounter any issues with device charging, ensure that the data cable and port are connected correctly, and try pressing the power button. After use,

Wireless charging

turn off the device and unplug the cable.

1. One click the power button 2. The wireless charging

to activate wireless charging. indicator lights up.

Charging time: 6-7 hours. Charging time: 4-5 hours.

4. Recharging the battery pack with a vehicle.

# Most vehicles use a 12V system, but the ES960 DC port input voltage range is 18-24V, so it

cannot be charged directly from the DC port. The ES960 DC input plug size is 5.5mm\*2.1mm If not using the included AC adapter to charge the battery pack, please confirm that your other

chargers or solar panels meet the requirements before charging.

and E-Marker USB C cable. solar panel.







The battery can charge and discharge simultaneously. Use the included AC adapter to plug int he DC IN port or use a USB-C cable to connect a charger to the USB-C IN port of the battery pack 3 12V to 18V-24V DC Then, use another cable to connect your device from the other output ports. converter+ DC(5.5mm\*2.1mm

supports wireless charging

in the wireless charging area

cigarette lighter male to DC cable with a voltage converter, and the output voltage of this converter must match your CPAP's operating voltage.

# Connect two CPAP devices simultaneously

CPAP's operating voltage.

deactivate the warm light.

Emergency LED light

Warm Light: Press and hold the right power

White Light: Double press the right power

button to activate/deactivate the white light.

button for about 3 seconds to activate/

Note: When connecting a CPAP through the battery's cigarette lighter port, you must use a

Note: If the included DC CPAP cables are not compatible with your CPAP, you will need to

purchase 2 cables separately. If they are compatible, you only need to purchase one cigarette

lighter to DC cable with a voltage converter, and the converter's output voltage must match your

Press and hold

Double press

1. Not approved by airlines. Not allowed to be taken on airplanes.

2, Due to conversion efficiency, the battery capacity of the power bank does not represent the

rechargeable capacity. For best results, please use the original charging cable of the charged

3, When storing the product, please keep it out of reach of children or pets.

Storage and operating temperature

-- Storage temperature: -10~+35°C.

Q2. Can this battery be taken on a plane?

other devices through its output ports.

damage the product or cause personal injury.

cannot be taken on a plane.

- Operating temperature: Charging: 0~+60°C.

Please use it under normal temperature in order to protect the battery life.

seconds. Otherwise, it will take approximately 2 hours to shut down.

Q3. Can the battery charge and discharge simultaneously

A1: If the DC fixed voltage output mode is activated, long press for approximately 3 seconds to

A2: No, it cannot. Due to its capacity exceeding TSA limits and not being approved by TSA, it

3: Yes, the battery can charge and discharge simultaneously. This battery has a "pass-through

harging" feature. It allows the battery to charge itself while simultaneously providing power to

Before using this product, please read all instructions and warnings. Incorrect usage may

exit the DC fixed voltage output mode. The battery pack will automatically shut down after a few

4. The DC port and USB-C port share the same circuit, so these two ports cannot work

simultaneously. The priority is given to the one that works first, and the other one will stop working. 5, When not in use, charge the battery pack once every 3 months to maintain at least 50% of the

battery capacity to prevent battery damage from depletion. 6, Do not place the power bank in a high-temperature environment or throw it into a fire, as this

may cause the power bank to swell or explode. The battery pack's runtime will be significantly reduced when powering two CPAP devices

7, Do not immerse the power bank in liquid to avoid short-circuiting.

8, Do not use sharp objects or apply impact to the power bank, as this may cause overheating, fire, or explosion.

9, Do not attempt to dismantle or damage the battery pack structure—improper operations may cause the battery pack to overheat, catch fire, or explode.

10, Use specified or approved chargers for charging.

11, Please use the battery pack within the allowed temperature range.

12, If you notice any abnormal conditions such as heating, bulging, strange odors, leakage deformation, etc., please stop using the power bank immediately and contact us.

**Customer suppor** 

If you experience any problems with your ES960, we are here to help you resolve them quickly To expedite the process, please follow the template below when reaching out to us: Order number +

description of the issue +attach pictures/videos if necessary. However, if you find that your

EASYLONGER device is exhibiting abnormal behavior, we recommend that you immediately

cease using the product and contact us for support at support@easylonger.com.

Warranty

12-month warranty, plus an extra 12 months upon product registration on www.easylonger.com

Note: This warranty is void if the defect is caused by

-- Damage caused by force majeure.

-- Accidental damage, misuse, abuse, neglect. -- Improper repair or alteration by unauthorized persons.

-- Expired warranty period.

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