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Anker A1710

Anker Powerhouse 90 Portable Charger User Manual

Model: A1710

INTRODUCTION

The Anker Powerhouse 90 is a versatile portable power bank designed to provide reliable power for a wide range of electronic devices. With an 87.6Wh capacity, it features a 100W AC outlet and a 45W USB-C Power Delivery port, making it suitable for charging smartphones, tablets, laptops, and other small appliances. This manual provides essential information for the safe and efficient use of your Powerhouse 90.

PACKAGE CONTENTS

Verify that all items are present in your package:

- Anker Powerhouse 90 Portable Charger
- 45W Wall Charger
- USB-C to USB-C Cable
- User Manual (this document)

MULTIPLE LIGHT MODES

Full | Low | SOS

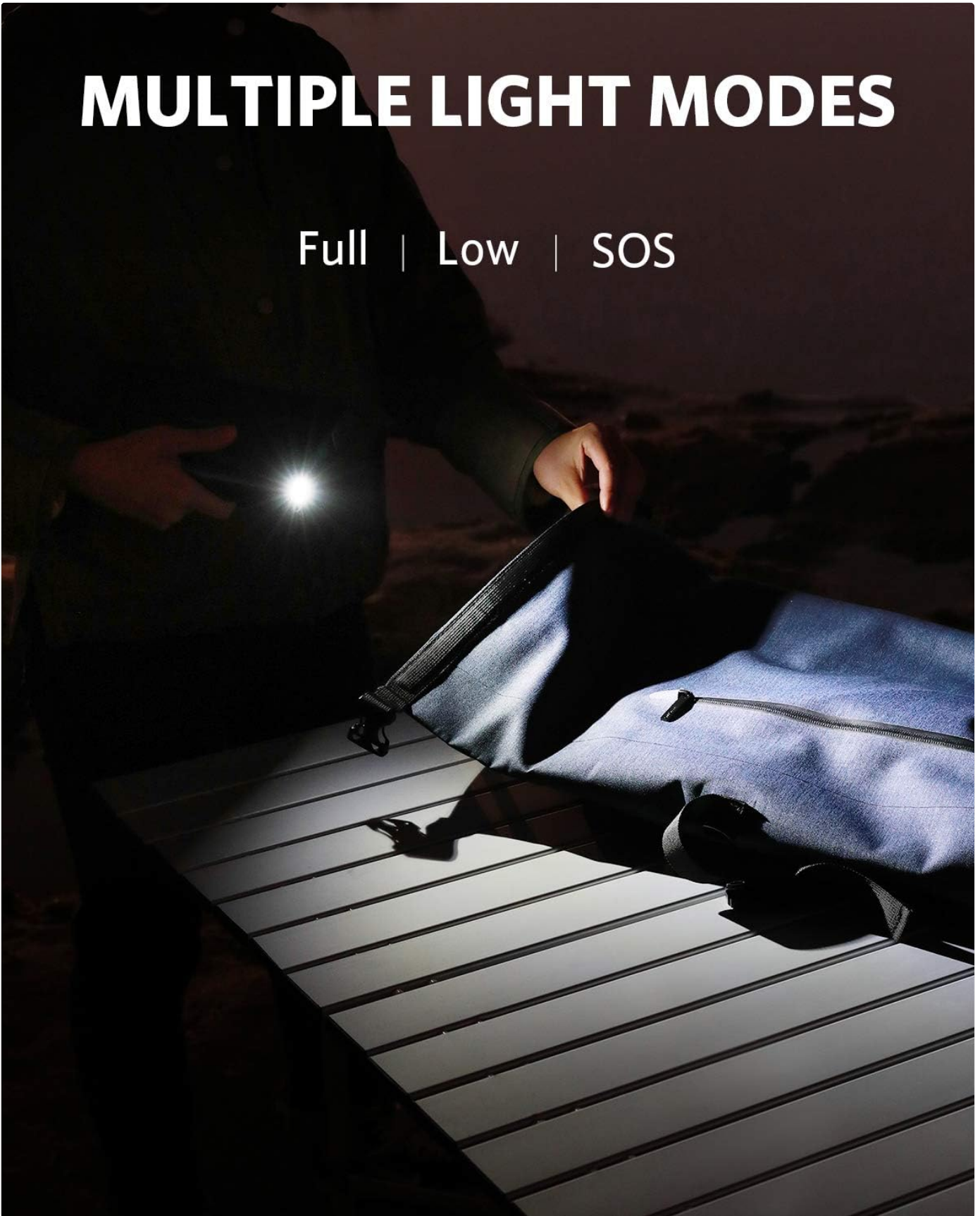


Image: Anker Powerhouse 90 with its packaging, 45W wall charger, USB-C to USB-C cable, and user manual.

PRODUCT OVERVIEW

The Anker Powerhouse 90 features multiple output ports and a built-in flashlight for various power needs.



Image: The Anker Powerhouse 90 portable charger, highlighting its front panel with the AC outlet, USB-A ports, USB-C port, and integrated flashlight.

- **AC Outlet:** Provides up to 100W of pure sine wave AC power.
- **USB-C Port:** 45W Power Delivery input/output for fast charging.
- **USB-A Ports (x2):** Share 15W output for charging smaller devices.
- **Flashlight:** Integrated light with multiple modes (Full, Low, SOS).
- **Power Button:** Activates the unit and controls the flashlight.
- **LED Indicators:** Display battery level and charging status.

SETUP

Initial Charging

Before first use, fully charge your Anker Powerhouse 90. This ensures optimal battery performance and longevity.

1. Connect the provided 45W wall charger to the USB-C port on the Powerhouse 90.
2. Plug the wall charger into a standard AC power outlet.
3. The LED indicators will illuminate to show the charging progress. The unit is fully charged when all LEDs are solid.



Image: The Anker Powerhouse 90 connected to a wall outlet via its 45W wall charger for recharging.

It is recommended to fully charge the Powerhouse 90 at least once every 1-2 months if not in regular use to maintain battery health.

OPERATING INSTRUCTIONS

Powering On/Off

- To power on the unit, press and hold the power button for 2 seconds. The LED indicators will light up.
- To power off the unit, press and hold the power button for 2 seconds. The LEDs will turn off.
- **Important:** Turn off the power button after use to prevent battery drain, even if no devices are connected.

Charging Devices

The Powerhouse 90 can charge up to four devices simultaneously using its various output ports.

CHARGE LAPTOPS UP TO 35% FASTER



45W
USB-C Port

Charge a MacBook Air 2020 from 0% to 50%

40 Mins
PowerHouse 100W

1 Hour 3 Mins
Original Charger

Data based on internal testing.

Image: The Anker PowerHouse 90 connected to and simultaneously charging a laptop via USB-C, a smartphone via USB-A, and a camera battery charger via the AC outlet.

Using the AC Outlet

- Open the protective cover of the AC outlet.
- Plug your device's power adapter into the AC outlet.
- The AC outlet provides a pure sine wave output, suitable for sensitive electronics.

- **Note:** The maximum power output of the AC port is 100W. If you connect a device requiring more than 100W, the Powerhouse 90 will automatically shut down to prevent damage.
- If the blue LED next to the AC outlet is on, the AC converter is active. If not using the AC outlet, ensure this light is off to conserve power.

POWER FOR DAYS

Huge 24,000mAh Capacity and Air-Travel Compatible



The drone's charging data is from the AC port, while other devices use the USB-C ports



MacBook Pro M2

1.2 Charges



iPhone 13

5.0 Charges



Nintendo Switch

3.4 Charges



MacBook Air M2

1.3 Charges

Image: A close-up view of the Anker Powerhouse 90's AC outlet, showing the protective cover and the "Pure Sine Wave" indicator, which reduces electrical noise for sensitive appliances.

Using the USB-C Port

- Connect your device to the USB-C port using a compatible USB-C to USB-C cable.
- This port supports 45W Power Delivery for fast charging of laptops, tablets, and smartphones.

CHARGE A WIDE RANGE OF APPLIANCES



Pure Sine Wave*

*Reduces audible and electrical noise in sensitive appliances

Image: A user charging a laptop using the Anker Powerhouse 90's USB-C port, demonstrating its fast charging capability for laptops.

Using the USB-A Ports

- Connect your device to either of the two USB-A ports using a compatible USB-A cable.

- These ports share a combined 15W output, ideal for charging smartphones, smartwatches, and other small USB-powered devices.

Using the Flashlight

- With the Powerhouse 90 powered on, press the flashlight button once to turn on the light.
- Press again to cycle through brightness modes: Full, Low, and SOS.
- Press and hold the flashlight button to turn off the flashlight.



Image: A person using the Anker Powerhouse 90's built-in flashlight in a dark environment, illustrating its multiple light modes (Full, Low, SOS).

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the Powerhouse 90. Do not use abrasive cleaners or solvents.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Health:** If the unit will be unused for more than one month, fully charge it, then discharge and recharge it at least once every month to maintain battery health.
- **Avoid Overloading:** Do not attempt to power devices that exceed the Powerhouse 90's rated output (100W for AC outlet).

TROUBLESHOOTING

Unit Not Charging / Not Powering On

- Ensure the provided 45W wall charger and USB-C to USB-C cable are used for recharging.
- Verify that the wall outlet is functional.
- Press and hold the power button for 2 seconds to ensure the unit is powered on.
- If the unit has been stored for a long time, it may require a longer initial charge.

Devices Not Charging

- Ensure the Powerhouse 90 is powered on.
- Check if the device's charging cable is securely connected to both the Powerhouse 90 and the device.
- Verify that the device's power requirement does not exceed the Powerhouse 90's output capacity for the specific port (e.g., 100W for AC, 45W for USB-C).
- For AC output, ensure the blue LED indicator for the AC outlet is illuminated.

Automatic Shutdown

- The unit may shut down if the connected device draws more than 100W from the AC outlet. Disconnect the device and use a lower-power alternative or a different power source.
- The AC power source will automatically stop after 1 hour if the AC load is less than 8W. This is a power-saving feature. If continuous low-power AC output is required, you may need to reactivate the AC output periodically.
- The unit may also shut down if it overheats or if there is a short circuit. Allow the unit to cool down and check for any faulty cables or devices.

CPAP Machine Compatibility

- **Note:** The Anker Powerhouse 90 is not recommended for charging CPAP machines due to its power-saving feature that may cause the AC output to turn off after 1 hour if the load is below 8W. This can interrupt CPAP operation.

SPECIFICATIONS

Feature	Detail
Model Number	A1710

Feature	Detail
Battery Capacity	87.6Wh (Nominal: 4,000mAh; Max: 24,000mAh at 3.65V)
AC Output	100W Max (Pure Sine Wave)
USB-C Input/Output	45W Power Delivery
USB-A Output	15W Shared (2 ports)
Dimensions	7.91 x 4.74 x 1.21 inches
Weight	1.9 pounds
Special Features	Flashlight (Full, Low, SOS modes), Slim Design

WARRANTY AND SUPPORT

Anker provides a limited warranty for this product. For detailed warranty information, product registration, and technical support, please visit the official Anker website or contact their customer service.

Anker Support: www.anker.com/support

Please have your model number (A1710) and purchase information ready when contacting support.