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CUKTECH 30 140W Power Bank Station User Manual

Model: P01CT

Brand: CUKTECH

1. PRODUCT OVERVIEW

The CUKTECH 30 Power Bank Station is a high-capacity portable power solution designed for versatile charging needs. With its robust 40,000mAh (144Wh) capacity, it provides extended power for multiple devices, making it ideal for travel, outdoor activities, and professional use. It features multiple output ports, including high-power USB-C and USB-A, along with a convenient wireless charging pad.



Figure 1: CUKTECH 30 Power Bank Station and accessories.

2. KEY FEATURES

- **Ultra-Large Capacity:** 40,000mAh (144Wh) provides sufficient power for extended use, capable of charging an iPhone 15 multiple times or a MacBook Pro fully.
- **Multi-Port Output:** Equipped with 2 USB-C ports, 2 USB-A ports, and a 20W wireless charging pad, supporting up to 5 devices simultaneously with a maximum total output of 300W.
- **140W Fast Charging:** One USB-C port supports PD3.1 protocol, delivering up to 140W for rapid charging of compatible laptops and devices.
- **Digital Display:** A clear screen provides real-time information on remaining battery life, input power, output power, and active modes.
- **Intelligent Cooling System:** Features a gaming console-level intelligent PWM cooling fan that adjusts speed based on device temperature to maximize performance and ensure optimal heat dissipation.

- **USB Hub Functionality:** Can operate as a USB hub when connected to a computer, allowing data transfer and peripheral connection through its USB-A ports.
- **High-Quality Batteries:** Utilizes auto-grade Samsung 21700 Lithium Ion battery cells for high energy density and long lifespan.

40,000mAh Ultra-high Capacity for 7 Days of Use after a Full Charge*

Charge smartphones, laptops, tablets, and other devices with 140W instant charging.



7

Times

iPhone 14

1

Time

MacBook Pro 16

*Assuming the iPhone 14 needs to be charged once a day, the power bank can sustain 7 days of use because it can charge the device from 0% to 100% 7 times.

Figure 2: High capacity for multiple charges.

300W Multi-port Output for up to 5 Devices

Dual USB-C and USB-A ports, and wireless charging
Power up to 5 devices simultaneously with multi-port
output up to 300W.



Figure 3: Overview of multi-port output capabilities.

140W Fast-charging

140W super instant charging for smartphones, laptops, tablets, and other devices that support PD3.1.

140W



MacBook Pro 16

140W

Full-power



iPhone 15 Pro Max

30 Mins

Fast Charge
to 56%



Figure 4: 140W fast charging for high-power devices.

Battery Status on Large Digital Display

The display projects remaining battery capacity, simultaneously input and output power.



Figure 5: Clear digital display for monitoring charging status.

PWM Fans for Console-level Heat Dissipation

The fan speed changes in real time according to the charging power. Console-level super-strong heat dissipation for long-term high-power output.



Figure 6: Advanced cooling system for sustained performance.

Video 1: Official product video showcasing the CUKTECH 30 Power Bank's features and portability for travel and outdoor camping.

3. SAFETY INFORMATION

The CUKTECH 30 Power Bank is designed with multiple safety protections to ensure reliable and secure operation:

- Overtemperature Protection

- Short Circuit Protection
- Input Overcurrent Protection
- Output Overcurrent Protection
- Input Overvoltage Protection
- Output Overvoltage Protection
- Overcharge and Overdischarge Protection
- Reset Protection

The product meets various international safety certifications, including UL, CE, CB, and FCC, ensuring a safe charging experience.

Your Safety is Our Top Priority



Overtemperature protection



Short circuits protection



Input overcurrent protection



Output overcurrent protection



Input overvoltage protection



Output overvoltage protection



Overcharge
and overdischarge
protection



Reset protection

Figure 7: Comprehensive safety features.

4. SETUP

4.1. Unboxing and Included Components

Carefully remove all items from the packaging. The package should contain:

- 1 x CUKTECH 30 Power Bank Station

- 1 x 5A 240W USB-C to USB-C Charging Cable
- 1 x User Manual (this document)

4.2. Initial Charge

Before first use, it is recommended to fully charge the CUKTECH 30 Power Bank. Connect the provided USB-C to USB-C cable to one of the power bank's USB-C ports and the other end to a compatible USB-C power adapter (not included). The digital display will show the charging progress.

5. OPERATING INSTRUCTIONS

5.1. Turning On/Off

To turn on the power bank, press the power button located on the front panel. The digital display will illuminate. The power bank will automatically turn off after a period of inactivity or when charging is complete to conserve power.

5.2. Charging Devices (Wired)

Connect your device to one of the available USB-C or USB-A output ports using a compatible charging cable. The power bank will automatically detect the device and begin charging. The digital display will show the output wattage.

5.3. Charging Devices (Wireless)

Place your Qi-compatible device (e.g., smartphone, earbuds) on the wireless charging pad located on the top of the power bank. Ensure the device is centered on the pad for optimal charging. The wireless charging icon will appear on the display when active.

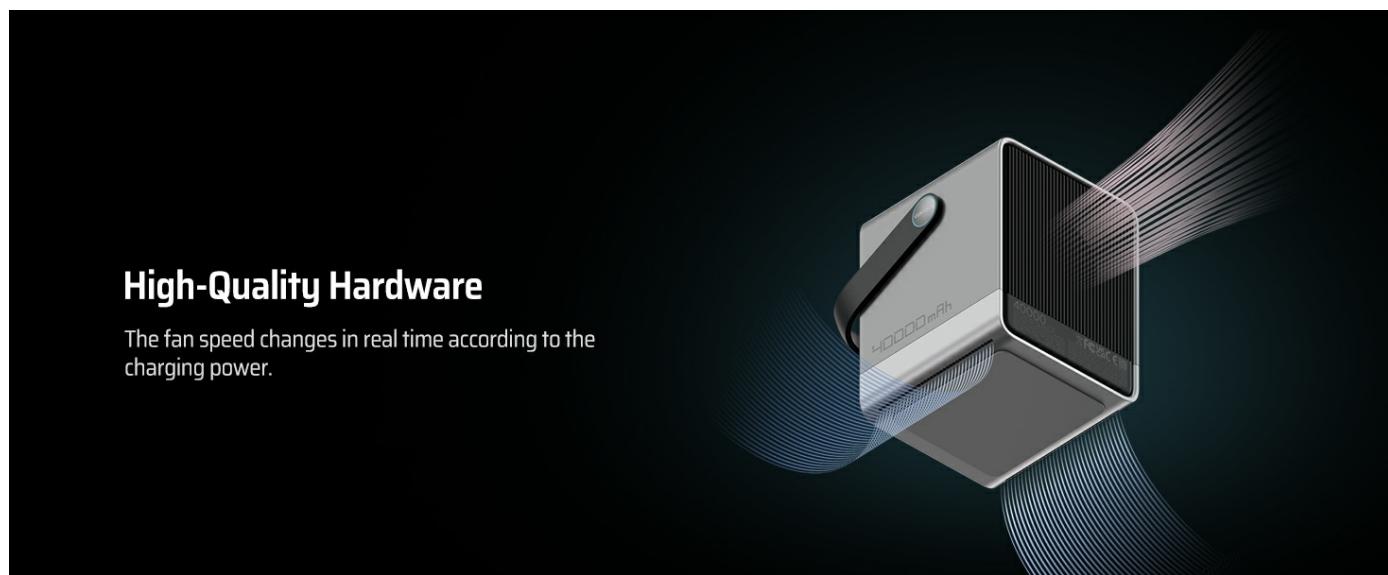


Figure 8: Wireless charging in action.

5.4. Recharging the Power Bank

To recharge the power bank, connect a USB-C cable to one of its USB-C ports and to a power source. The digital display will show the input wattage and charging progress. The power bank supports 140W flash charging, allowing it to be fully recharged in approximately 2.5 hours.

5.5. Using as a USB Hub

Double-press the power button to enter HUB mode. Connect the power bank to your laptop or desktop via a USB-C cable. The USB-A ports can then be used to connect peripherals such as a mouse, keyboard, or USB flash drives, allowing data transfer and simultaneous charging.

USB Hub Expansions for Carefree Office Time



reddot winner 2024

Connect a mouse, USB flash drive, or other external devices via the USB-A to charge and use such devices at the same time.



Figure 9: Power bank functioning as a USB Hub.

5.6. Low-Current Charging Mode

For small devices that require low current (e.g., smartwatches, Bluetooth earbuds), double-click the power button to enter low-current mode. This ensures safe and optimized charging for these devices.

Multi-Protocol Compatibility

Supports the latest USB charging protocol and can charge a MacBook Pro with a power of up to 140W.



Figure 10: Low-current charging for small electronics.

5.7. Understanding the Display

The digital display provides crucial information:

- **Battery Percentage:** Shows the remaining charge.
- **Input Wattage:** Displays the power being drawn when recharging the power bank.
- **Output Wattage:** Shows the power being delivered to connected devices.
- **HUB Mode Indicator:** Appears when the power bank is functioning as a USB hub.
- **Wireless Charging Indicator:** Appears when a device is being wirelessly charged.

6. MAINTENANCE

- Store the power bank in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid dropping or subjecting the device to strong impacts.
- Clean the exterior with a soft, dry cloth. Do not use harsh chemicals or abrasive materials.
- For optimal battery health, fully charge the power bank at least once every three months if not in regular use.

7. TROUBLESHOOTING

- **Power Bank Not Turning On:** Ensure the power button is pressed firmly. If the battery is completely depleted, connect it to a power source for a few minutes before attempting to turn it on.
- **Device Not Charging:**
 - Check if the power bank is turned on.
 - Ensure the charging cable is securely connected to both the power bank and the device.
 - Try a different charging cable or port.
 - For wireless charging, ensure your device is Qi-compatible and properly aligned on the charging pad.
- **Slow Charging:**
 - Verify that your device and cable support fast charging protocols (e.g., PD3.1, QC3.0) for optimal speeds.
 - Ensure the power bank itself is sufficiently charged.
 - Avoid using the power bank in extremely hot environments, as this can affect charging efficiency.
- **Power Bank Not Recharging:**

- Ensure the charging cable and wall adapter are functioning correctly.
- Try a different USB-C port on the power bank.

8. SPECIFICATIONS

Attribute	Specification
Model Number	P01CT
Battery Capacity	40,000mAh / 144Wh
Battery Type	8 x Lithium Ion (Samsung 21700)
Product Dimensions	4.19 x 3.42 x 3.49 inches
Item Weight	2.48 pounds
Total Max Output	300W
USB-C Output (PD3.1)	Up to 140W
USB-A Output (QC3.0)	Up to 120W (one port), 22.5W (other port)
Wireless Charging Output	20W Max
Manufacturer	NanJing CUKTECH Electronics Techology Co., Ltd.
Country of Origin	China

9. WARRANTY AND SUPPORT

The CUKTECH 30 Power Bank Station comes with an 18-month warranty against manufacturing defects. For customer support, please contact CUKTECH Direct:

- **Email:** service@cuktech.com
- 24/7 Customer Support available.

10. AIRLINE TRAVEL NOTICE

The rated battery energy of this product is 144Wh. While generally considered airline-approved for carry-on luggage, regulations may vary by airline and region. It is highly recommended to consult with airline authorities in advance if carrying the power bank on board to ensure compliance with their specific policies.

High Energy Density of Vehicle Batteries

The power bank is equipped with eight 21700 dynamic batteries, and charge-discharge performance have been greatly improved.



Figure 11: Power bank is portable and generally allowed on flights.