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› KONFULON High Capacity Power Bank 100000mAh Fast Charging 22.5W PD 20W Portable USB C Battery Pack Model A45Q User Manual

KONFULON A45Q

KONFULON High Capacity Power Bank (Model A45Q) User Manual

Your reliable power solution for all your devices.

1. INTRODUCTION

Thank you for choosing the KONFULON High Capacity Power Bank, Model A45Q. This portable power bank is designed to provide reliable and fast charging for a wide range of electronic devices, making it an ideal companion for travel, outdoor activities, and daily use. This manual will guide you through the features, setup, operation, and maintenance of your new power bank to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

The KONFULON A45Q Power Bank combines high capacity with versatile charging options and practical features.

Key Features:

- **High Capacity:** 100000mAh / 370Wh for extended power supply.
- **Fast Charging:** Supports Android 22.5W fast charging and iPhone PD 20W fast charging.
- **Multiple Outputs:** Equipped with 7 output ports (2x Type-C PD 20W, 1x USB1 22.5W Max, 4x USB2-USB4 DC 5V/3A, 1x DC 5V 3A) to charge multiple devices simultaneously.
- **Multiple Inputs:** Features 3 input ports (2x Type-C DC 18W, 1x DC 12V/1.5A) for flexible recharging options, including solar panel compatibility.
- **Integrated LED Light:** Super bright LED light with SOS function for emergency and outdoor lighting.
- **Accurate LCD Display:** Digital display shows remaining power percentage and real-time input/output information.
- **Portable Design:** Includes a durable leather handle for easy transport.
- **Safety Features:** Built-in intelligent safety system protects against over-heat, over-charge, over-current, over-discharge, and short-circuit.

Product Components:



Figure 1: Front view of the KONFULON A45Q Power Bank, highlighting its multiple output ports, input ports, LCD display, and integrated LED light.

The power bank features a robust design with clearly labeled ports and an intuitive LCD screen for monitoring. The integrated handle enhances portability.

Large screen digital display Clear at a glance

Real time display of remaining power and input/output power information, everything is under control



Figure 2: Detailed view of the LCD display, providing real-time information on battery status and charging parameters.

Illuminate the night sky LED lighting+SOS

Click to switch, three mode+SOS, outdoor night walking, unexpected power outage, camping, etc. will illuminate the night for you.



Figure 3: The power bank's super bright LED light in action, demonstrating its utility for outdoor night walking or unexpected power outages.

3. SPECIFICATIONS

Battery Type	Li-polymer
Capacity	10000mAh / 370Wh
Output 1 (Type-C)	PD 20W (5V/3A, 9V/2.25A, 12V/1.67A)
Output 2 (Type-C)	PD 20W (5V/3A, 9V/2.25A, 12V/1.67A)
Output 3 (USB1)	22.5W Max
Output 4-7 (USB2-USB4)	DC 5V/3A
Output (DC)	DC 5V/3A
Input 1 (Type-C)	DC 18W (5V/3A, 9V/2A, 12V/1.5A)
Input 2 (Type-C)	DC 18W (5V/3A, 9V/2A, 12V/1.5A)
Input 3 (DC)	DC 12V/1.5A (for solar charging)
Charging Time	18-20 Hours (using standard 18W input)
Dimensions	L152.5 x W138 x H69mm (6 x 5.4 x 2.75 inches)
Weight	2.2kg (4.8 pounds)
Model Number	A45Q

4. SETUP

Before first use, it is recommended to fully charge your power bank.

- 1. Unboxing:** Carefully remove the power bank and any included accessories from the packaging.
- 2. Initial Charge:** Connect the power bank to a suitable power source using one of the input ports (Type-C or DC). For optimal charging speed, use an 18W or higher power adapter (not included). The LCD display will show the charging progress. A full charge may take 18-20 hours.
- 3. Battery Calibration (Recommended):** For the first few cycles, fully charge the power bank to 100% and then discharge it completely. This helps calibrate the internal Battery Management System (BMS) for accurate power readings.

5. OPERATING INSTRUCTIONS

5.1. Charging the Power Bank

To recharge your KONFULON Power Bank:

- Connect a compatible charging cable to one of the input ports (Type-C or DC IN) on the power bank.
- Connect the other end of the cable to a power adapter or a solar panel (for DC input).
- The LCD display will show the input voltage/current and the battery percentage increasing.

Container design

Durable and wear-resistant

Has excellent resistance to falls, pressure, and wear. It can also protect the safety of mobile power sources in harsh natural environments.



Figure 4: The power bank being recharged via a solar panel, illustrating its outdoor charging capability.

5.2. Charging Your Devices

The power bank can charge up to 7 devices simultaneously:

- **Turn On:** Press the power button once to activate the power bank and view the LCD display.
- **Connect Devices:** Use appropriate USB cables to connect your devices to the available output ports (Type-C, USB1, USB2-USB4, or DC OUT).
- **Fast Charging:** For devices supporting PD 20W or 22.5W fast charging, use the corresponding Type-C or USB1 ports with compatible cables.
- **Monitoring:** The LCD display will show the output voltage/current for active ports.
- **Auto Shut-Off:** The power bank features an auto shut-off function to conserve power when no devices are connected or when devices are fully charged.

DC output

Satisfy power supply for multiple devices, no worries for outdoor travel. Can output and input simultaneously.



*LED lights are accessories for outdoor power products and require additional purchase.

Figure 5: Demonstrating the DC output port providing power to external devices like LED bulbs.

5.3. LED Light and SOS Function

The integrated LED light is useful for various situations:

- **Activate Light:** Press and hold the dedicated light button (usually next to the power button) for a few seconds to turn on the LED light.
- **Cycle Modes:** Short press the light button to cycle through different brightness levels (Dim, Brighter, Brightest) and the SOS flashing mode.
- **Turn Off:** Press and hold the light button again to turn off the LED light.

Illuminate the night sky LED lighting+SOS

Click to switch, three mode+SOS, outdoor night walking, unexpected power outage, camping, etc. will illuminate the night for you.



Figure 6: The power bank's super bright LED light in action, demonstrating its utility for outdoor night walking or unexpected power outages.

5.4. Product Video

Your browser does not support the video tag.

Video 1: An official product video showcasing the KONFULON High Capacity Power Bank's features, including its 100000mAh capacity, PD 20W, and 22.5W fast charging capabilities.

6. MAINTENANCE

- **Storage:** Store the power bank in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the power bank. Do not use harsh chemicals or abrasive materials.
- **Regular Use:** To maintain battery health, it is advisable to fully charge and discharge the power bank at least once every three months if not in regular use.
- **Avoid Drops:** While designed with a durable casing, avoid dropping the power bank to prevent internal damage.

7. TROUBLESHOOTING

If you encounter issues with your power bank, please refer to the following common solutions:

- **Device Not Charging:**

- Ensure the power bank is sufficiently charged (check LCD display).
- Verify that the charging cable is securely connected to both the power bank and your device.
- Try a different charging cable or port on the power bank.
- Confirm your device is compatible with the power bank's output specifications.

- **Power Bank Not Charging:**

- Ensure the charging adapter and cable are functioning correctly and are securely connected.
- Use an appropriate power adapter (e.g., 18W for faster charging).
- Check if the power source (wall outlet, solar panel) is active.

- **LCD Display Not Working:**

- Press the power button once to activate the display.
- If the issue persists, the battery might be completely depleted. Try charging the power bank.

- **LED Light Not Working:**

- Press and hold the light button for a few seconds to activate.
- Ensure the power bank has sufficient charge.

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or contact KONFULON customer service directly. Keep your proof of purchase for warranty claims.