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Kuulaa KL-YD90

Kuulaa KL-YD90 Ultra-Slim MagSafe 5000mAh Battery Pack

User Manual

1. INTRODUCTION

The Kuulaa KL-YD90 is an ultra-slim, magnetic wireless power bank designed to provide portable charging for compatible devices. Featuring a 5000mAh capacity, MagSafe compatibility, and a smart TFT display, this power bank offers convenient and efficient power on the go.

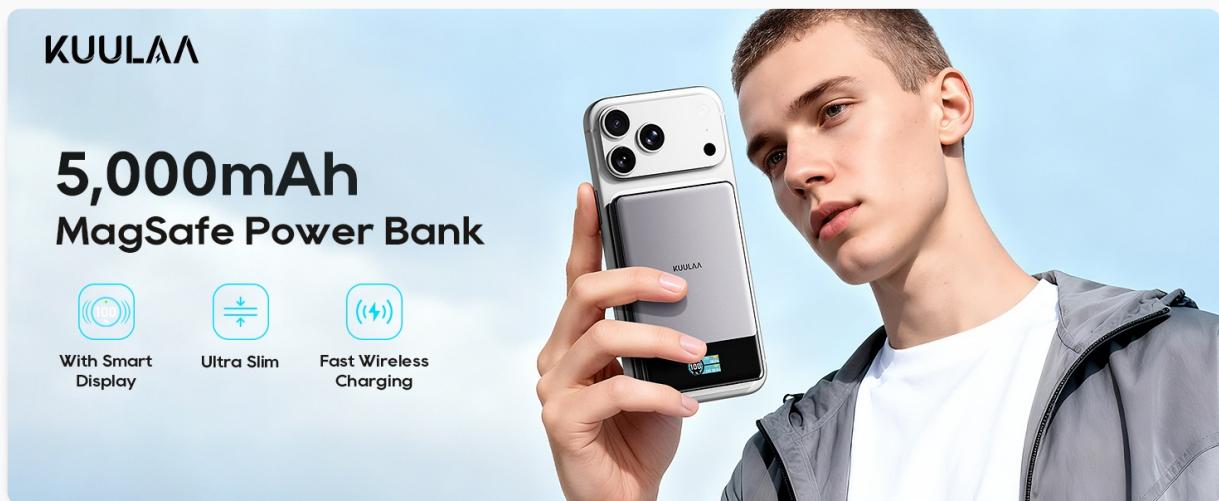


Figure 1: Product design highlighting its ultra-slim profile and key specifications.

2. PRODUCT OVERVIEW

Key Features:

- Ultra-Slim Design:** Only 0.3 inches thin, card-sized (4.1 x 2.7 inches), for easy portability.
- Strong Magnetic Alignment:** Built-in MagSafe magnets ensure secure attachment and stable wireless charging.
- Fast Charging:** Supports 15W MagSafe wireless charging and up to 20W wired charging via USB-C.
- Smart TFT Display:** Shows real-time battery percentage, charging status, and power output.
- 5000mAh Capacity:** Provides reliable daily backup power.
- Wide Compatibility:** Optimized for iPhone 12-17 series (MagSafe) and compatible with Android

devices (USB-C).

What's in the Box:

- Kuulaa KL-YD90 MagSafe Battery Pack
- USB-C to USB-C Cable
- Welcome Guide (User Manual)

What you wil get



Figure 2: Package contents of the Kuulaa KL-YD90 MagSafe Battery Pack.

3. SETUP

Initial Charging of the Power Bank:

1. Connect the provided USB-C to USB-C cable to the power bank's USB-C port.
2. Connect the other end of the cable to a compatible USB-C power adapter (not included). For optimal recharging performance, use a 3A cable and a charger rated at 20W or higher.
3. The smart TFT display will show the charging status and battery percentage as the power bank recharges.
4. Charge the power bank fully before first use. A full recharge from 0% typically takes approximately 1 hour and 54 minutes with a 20W charger.

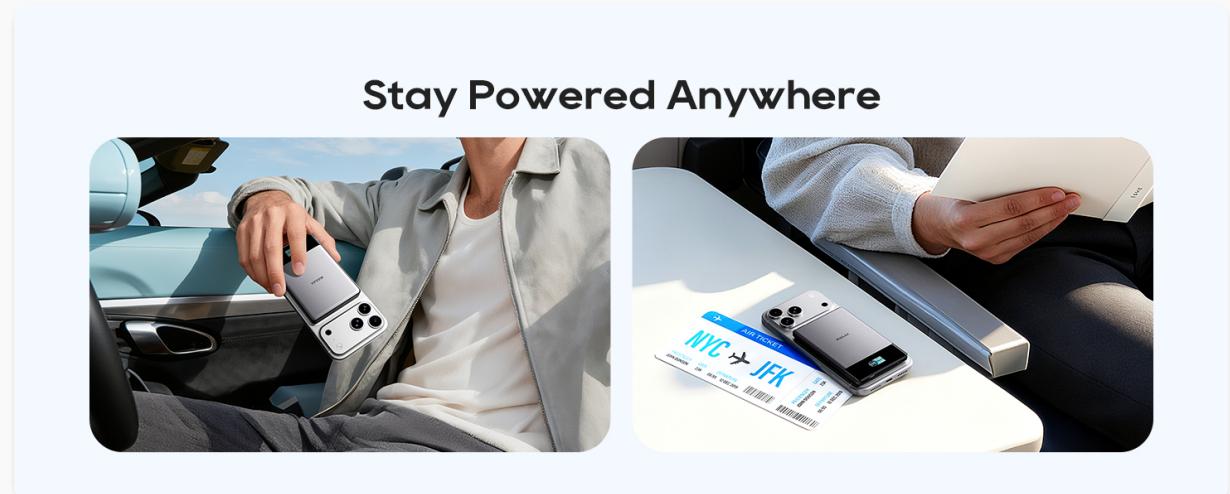


Figure 3: Recharging the power bank and wired charging a device.

Power On/Off:

Press the small button located on the bottom edge of the device to turn on the smart TFT display and activate the power bank. The display will show the current battery percentage and charging information. The power bank will automatically turn off when not in use for a period to conserve power.

4. OPERATING INSTRUCTIONS

Wireless Charging (MagSafe Compatible Devices):

1. Ensure your device is MagSafe compatible (iPhone 12 series or newer) or has a MagSafe-compatible case.
2. Align the Kuulaa power bank with the back of your iPhone. The built-in magnets will securely snap the power bank into place.
3. Wireless charging will begin automatically. The smart TFT display on the power bank will show the output wattage.

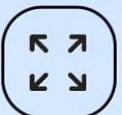
Pocket-Friendly 0.38-Inch Slim Design

15W

Magnetic Charging

5000 mAh

High-Capacity



4.11*2.75*0.38in

4OZ

Lightweight



Figure 4: Wireless charging via MagSafe connection.

Wired Charging (USB-C):

1. Connect one end of the USB-C to USB-C cable to the power bank's USB-C port.
2. Connect the other end of the cable to your device's USB-C charging port.
3. Wired charging will begin. The smart TFT display will show the output wattage.

Smart TFT Display Usage:

The integrated TFT display provides real-time information:

- **Battery Percentage:** Indicates the remaining charge of the power bank.
- **Input Wattage (IN):** Shows the power being drawn by the power bank when it is being recharged.
- **Output Wattage (OUT):** Displays the power being delivered to your device during charging.

Doubly Fast in a Snap

15W

MagSafe-Compatible



5,000mAh



TFT

Dynamic
Digital Display

20W

Max USB-C
Fast Charging

12N

Strong Magnetic
Connection

Figure 5: Smart TFT display showing charging information.

Important Notes on Charging:

- The power bank cannot charge a device wirelessly while the power bank itself is being recharged via the USB-C port.
- If the power bank is attached to a phone and then plugged in for recharging, you may need to detach and reattach it to the phone after unplugging the power bank to resume charging the phone.

5. MAINTENANCE

- Keep the power bank dry and away from moisture.
- Avoid extreme temperatures. Store in a cool, dry place.

- Clean the surface with a soft, dry cloth. Do not use harsh chemicals or abrasive materials.
- Avoid dropping or subjecting the device to strong impacts.
- For optimal battery life, fully charge the power bank at least once every three months if not in regular use.

6. TROUBLESHOOTING

Device Not Charging:

- Ensure the power bank is sufficiently charged. Check the TFT display for battery percentage.
- For wireless charging, verify that your device is MagSafe compatible and properly aligned. Remove any non-MagSafe compatible cases.
- For wired charging, ensure the USB-C cable is securely connected to both the power bank and your device. Try a different cable or device to rule out cable issues.
- Press the power button on the power bank to ensure it is active.

"Slow Charger" Notification on iPhone:

If your iPhone displays a "Slow Charger" notification, this is typically part of iOS 18's system software strategy to manage charging speed and temperature. Power output may be reduced when heat is detected to help lower the device temperature without significantly affecting overall charging speed or performance. Charging remains stable and safe, with no negative impact on the iPhone.



Figure 6: Example of a 'Slow Charger' notification on an iPhone.

Power Bank Becomes Warm During Use:

It is normal for the power bank to become warm during charging or discharging. This is due to energy conversion. If the device becomes excessively hot, discontinue use and contact customer support. The power bank is designed with thermal management to keep temperatures below 107.6°F (42°C) during operation.

Ready for Emergencies Even Without a Full Charge

Maximum Charging Levels in Idle Mode



*Data based on internal lab testing. Due to a 30% to 45% energy loss in battery cells and conversion circuitry, a fully charged 5,000mAh power bank typically offers an estimated 2,750 to 3,500mAh to power devices.

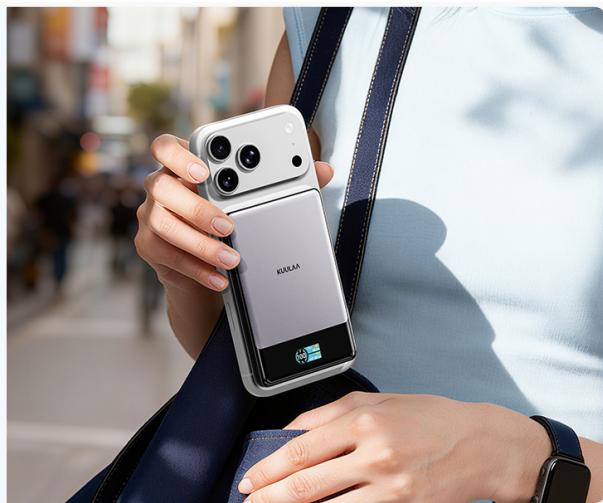


Figure 7: Internal thermal management system.

7. SPECIFICATIONS

Feature	Detail
Model Number	KL-YD90
Battery Capacity	5000 mAh
Product Dimensions	4.1 x 2.7 x 0.3 inches
Item Weight	4 ounces
Wireless Charging Output	Up to 15W (MagSafe compatible)
Wired Charging Output	Up to 20W (USB-C)
Input (Recharging)	USB-C
Special Features	Digital Display, Fast Charging, Lightweight, Pocket Size, Wireless Charging
Compatibility	iPhone 12-17 series (MagSafe), Android devices (USB-C)

8. WARRANTY AND SUPPORT

Warranty Information:

This Kuulaa product is covered by a 12-month limited warranty from the date of purchase. The warranty covers manufacturing defects and issues arising from normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.

Customer Support:

For any questions, technical assistance, or warranty claims, please contact Kuulaa customer support. Refer to the contact information provided in your welcome guide or visit the official Kuulaa website for support options.



Figure 8: Kuulaa product safety and quality certifications.

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