

Dual Wireless Fast Charging Power Bank

- Product Function Specification

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1.Product Overview



This power bank is a high-performance portable charging device specially designed for the European and American markets. It features **dual-sided wireless charging** as its core differentiator and supports 22.5W wired fast charging. The circuit design strictly complies with **CE (EU)** and **FCC ID (US)**

certification standards. With a simple and practical appearance, it meets efficient charging demands while delivering convenient user experience, suitable for daily commuting, business trips, outdoor travel and other scenarios.

2. Dual-Sided Wireless Charging Module

- **Hardware Configuration:** Both sides of the device are equipped with independent 15W magnetic single-coil wireless chargers (the main side has a visible ring-shaped charging module with a lightning icon in the center). It supports simultaneous wireless charging for two devices, allowing two mobile phones or compatible magnetic devices to be powered at the same time without extra data cables, satisfying the charging needs of users with multiple devices.
- **Smart Sensing Technology:** Built-in Q-value sensing function. The wireless charging mode is activated automatically when a device approaches the corresponding coil area, with sensitive and fast response, compatible with mainstream magnetic charging devices.
- **Safety Adaptation Logic:** When charging multiple mobile phones simultaneously, the device automatically switches to 5W slow charging mode to effectively avoid overloading and ensure charging stability and device safety.



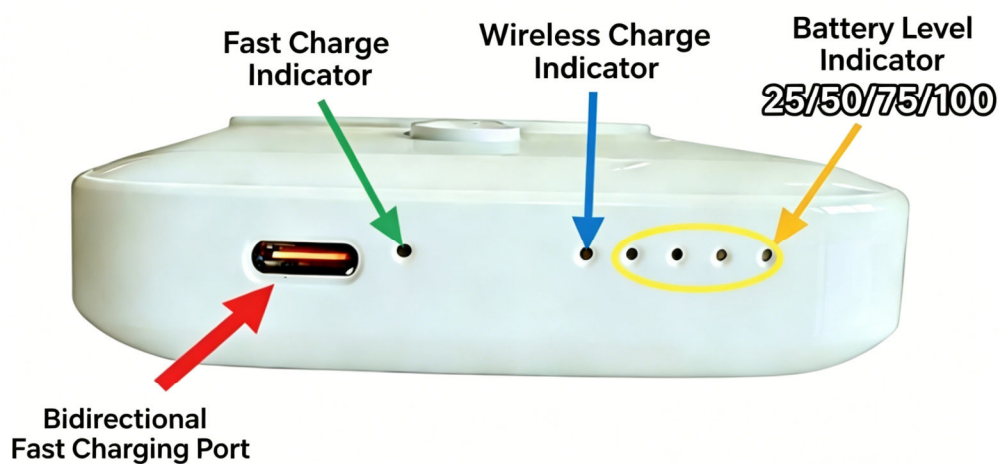
3. Wired Charging Function

- **Interface Specification:** Equipped with a Type-C bidirectional fast charging port, which is highly universal for both **input (self-charging)** and **output (powering external devices)**, compatible with most electronic device interface standards.

- **Output Parameters:** Supports 22.5W wired fast charging output for efficient power replenishment. In slow charging mode, it provides stable 5V/2A output, suitable for devices with special power requirements (such as small digital products).
- **Safety Adaptation Logic:** When charging multiple mobile phones simultaneously, the system switches to slow charging mode to prevent overloading, ensuring stable and safe charging.



4. Interaction and Display System



FAW 300

Component	Installation Location	Function Description
Fast Charging Indicator	Next to Type-C bidirectional port	Lights up when fast charging is activated, visually indicating fast charging status.
Wireless Charging Indicator	On dual-sided wireless charging areas	Lights up when the corresponding coil starts charging, showing the working status of each wireless channel.
Battery Level Indicators	Side of the device (4 vertical LEDs)	Indicate remaining power at 25% / 50% / 75% / 100%, displaying real-time battery level for user reference.
Power Button	Side of the device	Manually controls power on/off. Single press to turn on; double press to turn off.

5. Structural and Compliance Design

The product is compact and portable: **111mm (L) × 70.5mm (W) × 20mm (T)**. It stably accommodates dual wireless coils and internal circuits with rounded edges for better grip and portability.

5.1 Internal Structure Layout

- Dual wireless coils are soldered separately on both sides of the PCB for optimized assembly and improved production efficiency.
- PCB components are neatly arranged with rational layout, matching the housing design and balancing internal practicality and external aesthetics.

5.2 Market Compliance Standards

The circuit design strictly meets **CE (EU)** and **FCC ID (US)** certification requirements, ensuring lawful sales and use in European and American markets.

6. Appearance and Form

- Integrated rounded body with smooth edge transitions for comfortable hand feel.
- Symmetrical dual-sided wireless charging areas with fine surface texture, presenting a minimalist, high-tech style.
- Portable size and moderate weight, easy to store and carry for daily use.



FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.