

pTron Dynamo Arc

pTron Dynamo Arc 10000mAh Power Bank User Manual

Model: Dynamo Arc

1. INTRODUCTION

Thank you for choosing the pTron Dynamo Arc 10000mAh Power Bank. This device is designed to provide portable and efficient charging for your electronic devices, featuring both wired and wireless charging capabilities. Please read this manual carefully before using the product to ensure safe and optimal performance.

2. SAFETY INFORMATION

To prevent damage to the product or injury to yourself and others, please observe the following safety precautions:

- Do not expose the power bank to extreme temperatures (above 60°C/140°F) or direct sunlight.
- Do not disassemble, open, or attempt to repair the power bank.
- Keep the power bank away from water, moisture, and flammable materials.
- Do not drop, hit, or subject the power bank to strong impacts.
- Ensure proper ventilation when charging the power bank or devices.
- Keep out of reach of children.
- Dispose of the power bank responsibly according to local regulations.

3. PRODUCT OVERVIEW

Familiarize yourself with the components of your pTron Dynamo Arc Power Bank:



Figure 3.1: Front and Side View of the Power Bank. Shows the digital display, wireless charging pad on the front, and integrated charging cables (Type-C, Lightning, Micro USB) on the side.

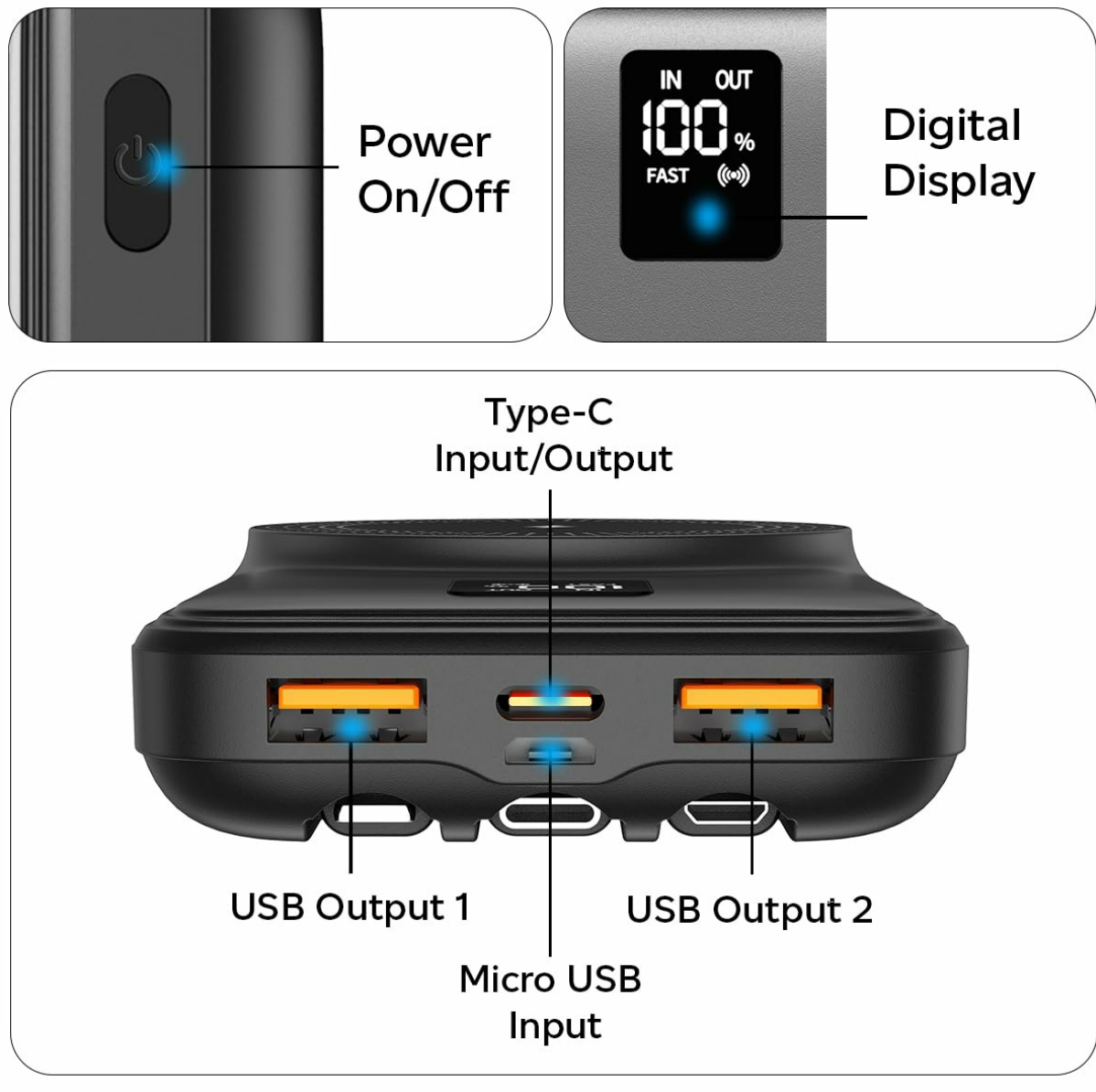


Figure 3.2: Detailed View of Ports and Controls. Indicates the Power On/Off button, Digital Display, Type-C Input/Output port, USB Output 1, USB Output 2, and Micro USB Input port.

Key Features:

- **10000mAh Li-Polymer Battery:** High capacity for multiple charges.
- **22.5W Fast Charging (USB):** Provides rapid charging for compatible devices.
- **20W PD (Power Delivery) Charging (Type-C):** Fast charging for PD-compatible devices.
- **15W Qi Wireless Charging:** Convenient wireless charging for Qi-enabled devices.
- **Multiple Outputs:** 2 x USB-A, 1 x Type-C, and integrated cables (Type-C, Lightning, Micro USB) for versatile charging.
- **Multiple Inputs:** Type-C and Micro USB for recharging the power bank.
- **Digital Display:** Shows battery percentage and charging status.
- **Multi-Protection Chipset:** Built-in safeguards against overcharge, over-discharge, overcurrent, overvoltage, and short-circuit.

4. SETUP

Before first use, it is recommended to fully charge your pTron Dynamo Arc Power Bank.

Initial Charging:

1. Connect the power bank to a power source (e.g., wall adapter, computer USB port) using either a Type-C cable (via the Type-C input port) or a Micro USB cable (via the Micro USB input port).
2. The digital display will show the charging progress, indicating the battery percentage.
3. Once the display shows "100%", the power bank is fully charged and ready for use. This typically takes 4-5 hours.

5. OPERATING INSTRUCTIONS

5.1. Charging the Power Bank

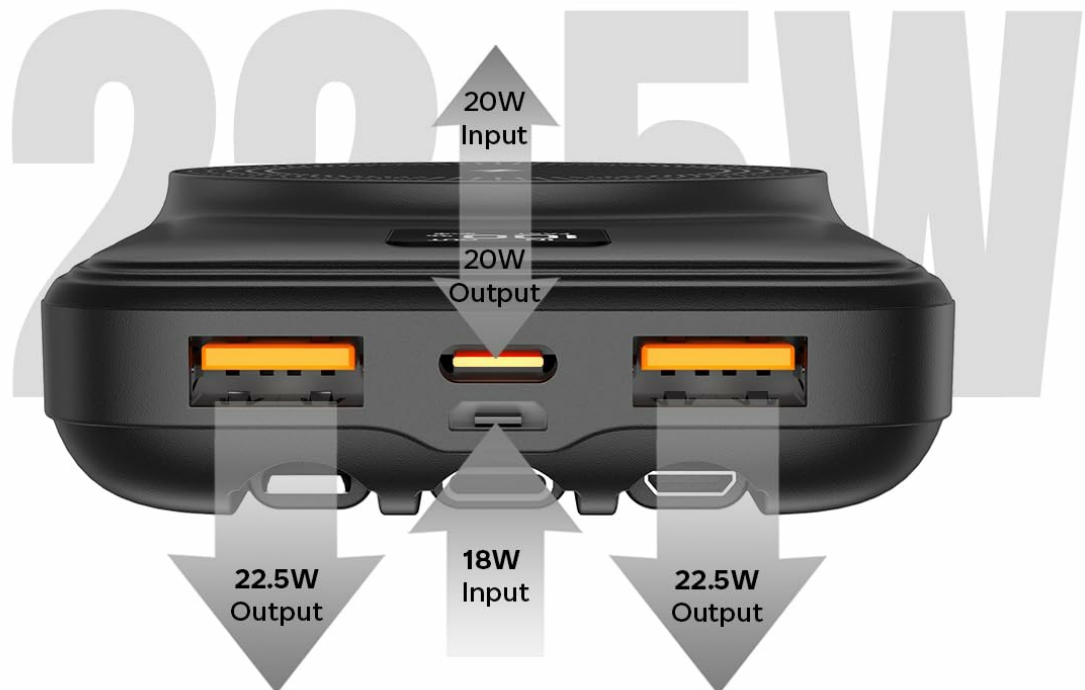
To recharge the power bank:

- Use a compatible USB wall adapter (not included) and connect it to the power bank via the Type-C input or Micro USB input port.
- The digital display will illuminate and show the current battery percentage, indicating that charging is in progress.

5.2. Charging Devices (Wired)

The power bank offers multiple wired output options:

22.5W USB Fast Charging Outputs



Charge 3 Devices Simultaneously

Important: Device & charging cable should also support fast charging.

Figure 5.1: Wired Charging Outputs. Illustrates the two USB-A outputs (22.5W max each) and the Type-C output (20W PD) for simultaneous charging.

- **Using USB-A Outputs:** Connect your device's charging cable to either USB Output 1 or USB Output 2 on the power bank.
- **Using Type-C Output:** Connect your device's Type-C charging cable to the Type-C port on the power bank.
- **Using Built-in Cables:** Select the appropriate integrated cable (Type-C, Lightning, or Micro USB) and connect it directly to your device.
- The power bank will automatically begin charging your device. The digital display will show "OUT" and the battery percentage.

5.3. Charging Devices (Wireless)

The power bank supports 15W Qi wireless charging:



Figure 5.2: Wireless Charging. Shows a smartphone being wirelessly charged on the power bank's charging pad.

- Ensure your device is Qi wireless charging enabled.
- Place your Qi-enabled device centrally on the wireless charging pad of the power bank.
- The power bank will automatically detect your device and begin wireless charging. The digital display will show a wireless charging icon.

- **Note:** Wireless charging will turn off automatically in 30 seconds if no device is placed on the charging surface. Phone cases with metal or excessive thickness (more than 4mm) may interfere with wireless charging.

5.4. Understanding the Digital Display

The digital display provides real-time information:

- **Battery Percentage:** Shows the remaining charge of the power bank (0-100%).
- **"IN" Indicator:** Appears when the power bank is being recharged.
- **"OUT" Indicator:** Appears when the power bank is charging an external device via wired connection.
- **"FAST" Indicator:** Appears when fast charging is active (both input and output).
- **Wireless Charging Icon:** Appears when a device is being wirelessly charged.

6. MAINTENANCE

Proper care will extend the life of your power bank:

- Clean the power bank with a soft, dry cloth. Do not use harsh chemicals or abrasive materials.
- Store the power bank in a cool, dry place away from direct sunlight and extreme temperatures.
- If not used for extended periods, charge the power bank at least once every three months to maintain battery health.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Power bank not charging	Charging cable or adapter faulty; Power bank fully charged; Input port issue.	Try a different charging cable and adapter. Ensure the power bank is not already at 100%. Check if the input port is clean and undamaged.
Device not charging from power bank	Power bank battery empty; Cable faulty; Device not compatible; Loose connection.	Recharge the power bank. Try a different charging cable. Ensure your device is compatible. Check for secure connections.
Wireless charging not working	Device not Qi-enabled; Misalignment; Phone case interference; Foreign objects on pad.	Ensure device supports Qi. Realign device on the center of the pad. Remove thick or metallic phone cases. Remove any objects from the charging pad.
Slow charging	Cable not fast-charge compatible; Device not supporting fast charge; Multiple devices charging simultaneously.	Use a fast-charge compatible cable. Ensure your device supports fast charging. Charging multiple devices may reduce individual charging speeds.
Digital display not working	Power bank is off; Malfunction.	Press the power button to activate the display. If it remains unresponsive, contact customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	Dynamo Arc
Battery Type	Li-Polymer
Battery Capacity	10000mAh
Micro USB Input	5V/2A, 9V/2A, 12V/1.5A
Type-C Input	5V/3A, 9V/2.22A, 12V/1.5A
Type-C Output	5V/3A, 9V/2.22A, 12V/1.67A
USB 1 or USB 2 Output	5V/3A, 9V/2.2A, 5V/4.5A, 12V/1.67A (22.5W max.)
Wireless Output	5W, 7.5W, 10W, 15W max.
Special Features	Digital Display, Fast Charging, Over Charging Protection, Short Circuit Protection, Wireless Charging, Built-in Cables
Dimensions	15.7 x 10.7 x 3.3 cm
Item Weight	230 g
Color	Black

9. WARRANTY AND SUPPORT

The pTron Dynamo Arc Power Bank comes with a 1-year manufacturer warranty from the date of purchase, covering manufacturing defects only.
For customer support, please contact:

- **Phone:** 040 - 67138888
- **Email:** support@ptron.in