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› [Talentcell](#) /

› Talentcell 12V 7000mAh Lithium-ion Battery Pack (Model PB030201-35) Instruction Manual

Talentcell PB030201-35

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Model: PB030201-35

1. PRODUCT OVERVIEW

The Talentcell 12V 7000mAh Lithium-ion Battery Pack is a portable power bank designed to provide reliable power for various electronic devices. It features a total capacity of 76.65Wh (10.95V 7000mAh or 3.65V 21000mAh) and offers multiple output options including DC 12V, USB-C PD 45W, and USB-A 18W. This power bank is suitable for devices such as Raspberry Pi 5, LED strip lights, CCTV cameras, telescopes, smartphones, and heated jackets.



Image: Talentcell 12V 7000mAh Lithium-ion Battery Pack, showing its compact design.

Key Features:

- **High Capacity:** 76.65Wh (10.95V 7000mAh) for extended power supply.
- **Versatile Outputs:** Includes DC 12V, USB-C PD 45W, and USB-A 18W ports.
- **USB-C PD 45W Output:** Supports fast charging for compatible devices and 5V/5A output for Raspberry Pi 5.
- **Wide Compatibility:** Powers various 12V/5V devices including LED lights, cameras, and smartphones.
- **Safety Protections:** Features over-charge, over-discharge, and short-circuit protection.
- **LED Display:** Indicates battery percentage and input/output power.

2. PACKAGE CONTENTS

Verify that all items are present in the package before use.

- 1x Talentcell Power Bank (Model PB030201-35)
- 1x 12.6V/2A AC/DC Charger

- 1x USB-C to USB-C Cable
- 1x DC5521 1 Female to 2 Male Power Splitter Cable

Package content

1x Power Bank

1x 12.6V/2A AC/DC Charger

1x USB-C to USB-C Cable

1x DC5521 1 female to 2 male power splitter Cable

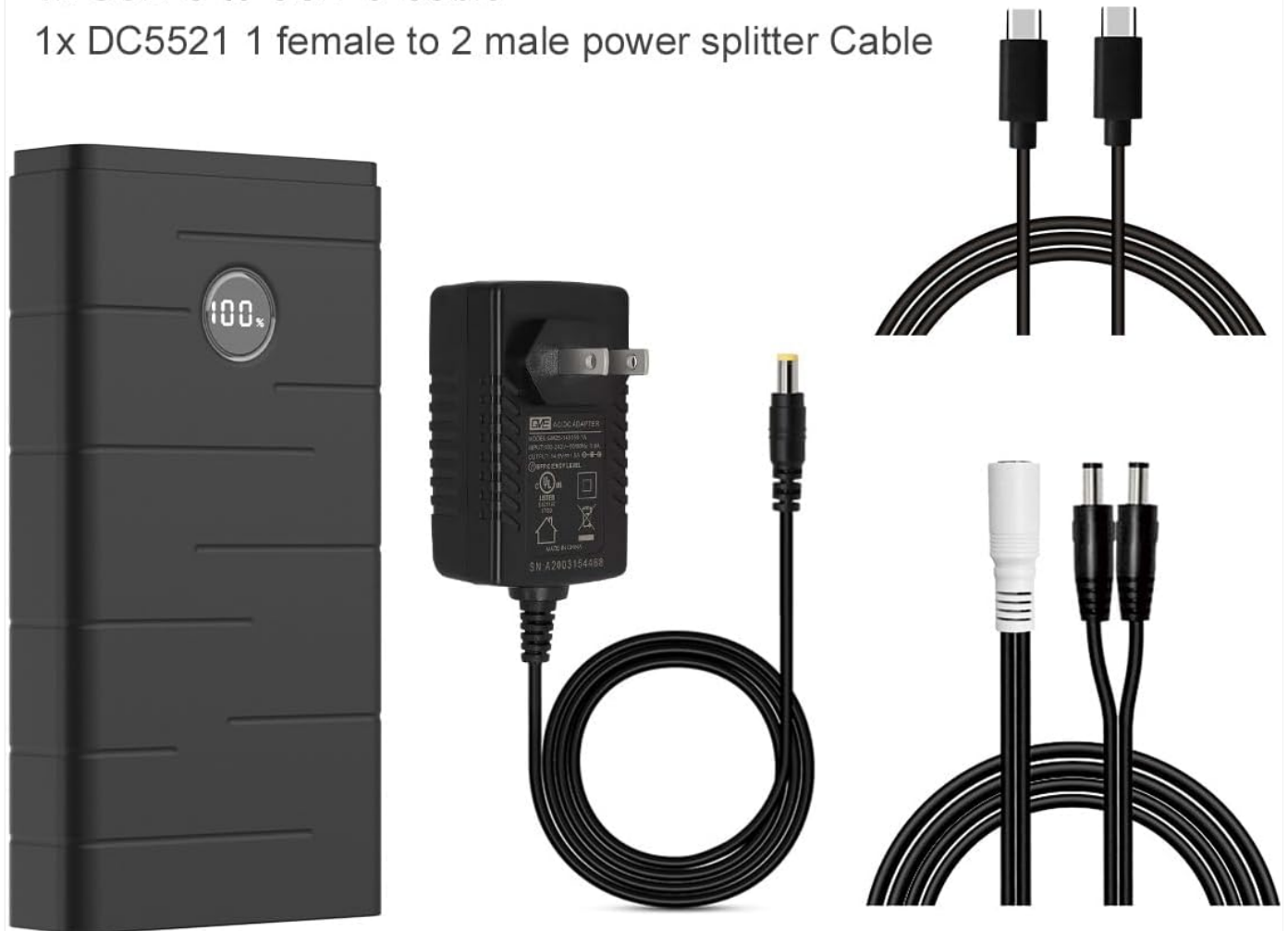


Image: The TalenCell Power Bank and its included accessories: AC/DC charger, USB-C cable, and DC splitter cable.

3. SETUP AND CHARGING

Initial Charge:

Before first use, fully charge the power bank. The LED display will show the battery percentage.

1. **Using the AC/DC Charger:** Connect the included 12.6V 2A AC/DC charger to a power outlet and plug the DC output connector into either the DC1 or DC2 input port on the power bank.
2. **Using a USB-C Wall Charger:** Connect a compatible USB-C wall charger (not included) to the USB-C input port on the power bank using the provided USB-C to USB-C cable.

Two charging methods

1. DC port: AC/DC12.6V charger



2. USB-C port: USB wall charger



Image: Illustration of the two charging methods: via DC port with the AC/DC charger, and via USB-C port with a USB wall charger.

The LED display will show the charging status and battery percentage. Once fully charged, disconnect the charger.

4. OPERATION

Powering On/Off and Output Ports:

The power bank features a button to control the DC1, DC2, and USB-A outputs. The USB-C port operates independently.

Two charging methods

1. DC port: AC/DC12.6V charger

2. USB-C port: USB wall charger



4 Output Ports

 **USB-C X 1**

 **USB-A X 1**

 **DC X 2**



Image: Close-up view of the power bank's ports (DC1, DC2, USB-C, USB-A) and the LED display showing battery percentage and input/output power.

- **DC 12V Output (DC1, DC2):** The voltage range for these ports is 12.6-9V (not constant). Ensure your device is compatible with this voltage range. The DC ports have an inner positive (+) and outer negative (-) polarity. Use the included DC5521 splitter cable if needed.
- **USB-A Output (QC3.0):** Provides 5V/3A, 9V/2A, or 12V/1.5A (18W Max) for charging smartphones and other USB-A compatible devices.
- **USB-C Output (PD 45W):** Supports 5V/5A, 9V/3A, 12V/3A, 15V/3A, 20V/2.25A (45W Max). This port can power devices like Raspberry Pi 5 and fast charge compatible smartphones. It can also output low current for smartwatches.

Important Note: The size of the battery's output ports and power cable are DC5521. Confirm your equipment's input port size before connecting. If it is not DC5521, an alternative power cable may be required.

5. MAINTENANCE AND STORAGE

- **Regular Charging:** If the battery is not used for an extended period, charge it periodically (e.g., every 3-6 months)

to maintain battery health and prolong its lifespan.

- **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 liquid cleaners or immerse the device in water.
- **Avoid Physical Damage:** Protect the power bank from drops, impacts, and excessive pressure to prevent internal damage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Power bank not charging	Charger not connected properly; faulty charger or cable; power bank fully charged.	Ensure charger and cables are securely connected. Try a different charger or cable. Check LED display for full charge indication.
Device not charging from power bank	Power bank off; incorrect cable/port; device not compatible; power bank depleted.	Ensure the power bank is turned on (if applicable for the port). Use the correct cable and port for your device. Verify device compatibility with output voltage/current. Recharge the power bank.
Raspberry Pi 5 shows low voltage warning	High resistance USB-C cable; high power draw.	Use a high-quality, low-resistance USB-C to USB-C cable capable of delivering 5V at 5A. Ensure the cable is rated for PD 45W.
LED display not working	Power bank off; internal fault.	Press the power button to activate the display. If the issue persists, contact customer support.

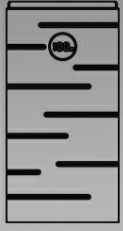
7. SPECIFICATIONS

Feature	Detail
Model Name	PB030201-35
Brand	Talentcell
Battery Capacity	7000 mAh (10.95V), 76.65Wh
Battery Cell Composition	Lithium Ion
DC Output Voltage Range	12.6V - 9V (not constant)
DC Port Polarity	Inner Positive (+), Outer Negative (-)
USB-C Input/Output	PD 45W (5V/5A, 9V/3A, 12V/3A, 15V/3A, 20V/2.25A)
USB-A Output	QC3.0 18W (5V/3A, 9V/2A, 12V/1.5A)
Dimensions	162mm * 84mm * 28.6mm (6.38in * 3.31in * 1.13in)
Weight	~0.41 Kg (0.904 lb)
Color	Black

Size: 162*84*28.6mm / 6.38*3.31*in
Weight: ≈0.41Kg / 0.904lb

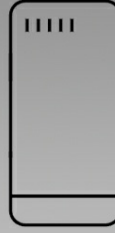


Image: Diagram showing the dimensions (162x84x28.6mm) and weight (~0.41Kg) of the power bank.



PB030201-35

USB-C port supports **5V 5A** output.



Other Power Bank

USB-C output 5V3A

Image: Comparison highlighting the PB030201-35's USB-C port supporting 5V 5A output, compared to other power banks with 5V 3A output.

8. WARRANTY AND SUPPORT

The Talentcell 12V 7000mAh Lithium-ion Battery Pack comes with an **18-month warranty** from the manufacturer. For any questions, technical assistance, or warranty claims, please contact Talentcell customer support. Refer to the product packaging or the official Talentcell website for contact information.

