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Krisdonia NJF-5X

Krisdonia Portable Laptop Charger NJF-5X User Manual

Model: NJF-5X

1. Introduction

This manual provides essential information for the safe and efficient operation of your Krisdonia Portable Laptop Charger. This 185Wh/50000mAh external battery pack is designed to power a wide range of devices, including laptops, tablets, projectors, and smartphones. Please read these instructions thoroughly before use and retain them for future reference.

2. Product Overview

2.1 Key Features

- **High Capacity:** 50000mAh/185Wh for extended power.
- **Versatile Output:** Adjustable DC OUT (5V-20V), 2x QC3.0 USB-A ports, and 1x TYPE-C port (20W output).
- **Pass-Through Charging:** Charge the power bank and connected devices simultaneously.
- **Bright LED Display:** Shows DC voltage and remaining battery level.
- **Comprehensive Compatibility:** Includes 14 laptop connectors, a TYPE-C converter, and a Mag-Safe 2 cable.
- **Safety Protections:** Built-in 6 security protections against overcharge, over-discharge, overcurrent, short circuit, and high temperature.

2.2 Package Contents



Image: The Krisdonia Portable Laptop Charger with its included accessories, including the power bank, multifunction bag, Type-C converter, US charger, DC adapter, MagSafe2 cable, USB cable, and a set of 14 laptop charging connectors.

- Krisdonia Portable Laptop Charger (NJF-5X)
- Multifunction Bag
- Type-C Converter
- US Charger (AC Adapter)
- DC Adapter
- Mag-Safe 2 Cable
- USB Cable
- 14 Laptop Charging Connectors

3. Setup

3.1 Charging the Power Bank

1. Connect the provided US Charger (AC Adapter) to the DC-IN port of the power bank.
2. Plug the AC adapter into a wall outlet.
3. The LED display will show the charging percentage and voltage. A full charge typically takes 6-7.5 hours.



Image: The Krisdonia power bank connected to its AC adapter and a power outlet for recharging. The LED display shows the current charge level.

3.2 Identifying Ports and Display



Image: Top-down view of the Krisdonia power bank, highlighting its various ports and the LED display. Ports include DC-IN, Type-C, OUT1 (USB), OUT2 (USB), and DC-OUT.

- **Power Button:** Press for 2 seconds to turn ON/OFF.
- **LED Display:** Shows battery percentage and selected DC output voltage.
- **DC-IN Port:** For recharging the power bank (19V/2A).
- **TYPE-C Port:** 20W output for smartphones and tablets. *Note: Not for 20V TYPE-C laptops; use DC-OUT with converter for laptops.*
- **OUT1/OUT2 (QC3.0 USB-A Ports):** For smartphones, tablets, and other USB devices.
- **DC-OUT Port:** Adjustable voltage output for laptops (5V/8.4V/9V/12V - 3A max; 16V/20V - 4.7A max).

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4. Operating Instructions

4.1 Powering On/Off

Press and hold the power button for approximately 2 seconds to turn the power bank ON or OFF. The LED display will illuminate when powered on.

4.2 Charging USB and Type-C Devices

1. Connect your device to one of the QC3.0 USB-A ports (OUT1/OUT2) or the TYPE-C port using an appropriate cable.
2. The power bank will automatically detect and deliver the optimal charging current for your device.

4.3 Charging Laptops via DC-OUT Port

1. **Select the Correct Connector:** Choose one of the 14 provided laptop connectors or the Mag-Safe 2 cable that fits your laptop's charging port. If your laptop uses a Type-C charging port requiring 20V, use the included Type-C converter with the DC-OUT port.
2. **Set the Voltage:** **Before connecting to your laptop**, double-click the power button to cycle through the available DC output voltages (5V, 8.4V, 9V, 12V, 16V, 20V). Select the voltage that matches your laptop's input voltage (usually found on your laptop's original charger).
3. **Connect to Laptop:** Once the correct voltage is displayed, connect the chosen connector to the DC-OUT port and then to your laptop.



Image: A detailed view of the 14 different laptop charging connectors included with the Krisdonia power bank, designed for broad compatibility with various laptop models.

Important: Setting an incorrect voltage may damage your device. Always verify your laptop's required voltage before connecting.

4.4 Pass-Through Charging

The power bank supports simultaneous charging and discharging. To activate this function, press the power button for 2 seconds while the power bank is being recharged. If no device is connected or drawing sufficient power, the power bank may automatically turn off after 1 minute to conserve energy.

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5. Maintenance

- Keep the power bank away from extreme temperatures, direct sunlight, and liquids.
- Clean the device with a soft, dry cloth. Do not use harsh chemicals or abrasive materials.
- Store the power bank in a cool, dry place when not in use. For long-term storage, it is recommended to charge it to about 50-75% every 3-6 months to maintain battery health.
- Avoid dropping or subjecting the power bank to strong impacts.

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6. Troubleshooting

6.1 Power Bank Shuts Off Automatically

- **Low Current Draw:** If the connected device draws very low current, the power bank may interpret it as idle and shut off to save power. This is common with devices that are already nearly fully charged.
- **Overcurrent Protection:** If your laptop's power requirement (Amperage) exceeds the DC-OUT port's maximum (e.g., >4.7A for 16V/20V output), the power bank may trigger overcurrent protection and shut down. Check your laptop's original charger for its output specifications.
- **Pass-Through Mode:** Ensure pass-through charging is activated by pressing the power button for 2 seconds while the power bank is recharging.

6.2 Device Not Charging

- **Check Connections:** Ensure all cables and connectors are securely plugged in.
- **Correct Voltage (DC-OUT):** For laptops, verify that the DC-OUT voltage is correctly set to match your laptop's requirements.
- **Cable Compatibility:** Use the appropriate charging cable for your device.
- **Power Bank Charge Level:** Ensure the power bank has sufficient charge.

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7. Specifications

Feature	Detail
Model Number	NJF-5X

Battery Capacity	50000mAh / 185Wh
Battery Cell Type	Lithium Polymer
DC-IN Input	19V/2A (Full charge in approx. 6 hours)
DC-OUT Output	5V/8.4V/9V/12V - 3A (max); 16V/20V - 4.7A (max)
USB-A Output (OUT1/OUT2)	QC3.0 (5V/9V/12V 3A)
TYPE-C Output	20W (5V/9V/12V 3A)
Dimensions (L x W x H)	7.68" x 5.91" x 1.1" (19.5 x 15 x 2.8 cm)
Weight	1155 Grams (2.55 lbs)
Manufacturer	Shenzhen Nejifu Technology Co.,Ltd

8. Warranty and Support

Krisdonia provides customers with a 12-month 100% satisfaction warranty. For any product inquiries, technical support, or warranty claims, please contact Krisdonia customer service through the retailer's platform or the official Krisdonia website.

9. Official Product Video

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Video: An official product video from Krisdonia service demonstrating the features and usage of the Krisdonia 50000mAh Laptop Power Bank. This video provides a visual guide to the product's capabilities and operation.

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