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BLAVOR PN-W39

BLAVOR Solar Power Bank User Manual

Model: PN-W39
Brand: BLAVOR

1. Introduction

Thank you for choosing the BLAVOR Solar Power Bank PN-W39. This device is designed to provide reliable portable power for your electronic devices, featuring multiple charging options, integrated cables, and additional utility functions for outdoor and emergency situations. Please read this manual carefully before use to ensure proper operation and to maximize the lifespan of your product.



Figure 1.1: Front and back view of the BLAVOR Solar Power Bank, highlighting its robust design, solar panel, and integrated charging cables.

2. Product Overview

2.1 Key Features

- **High Capacity:** 20000mAh battery for multiple device charges.
- **Multi-Device Charging:** Simultaneously charge up to 6 devices with 4 integrated cables (2 USB-C, 1 iOS, 1 USB-A) and 3 charging ports (USB-C, USB-A, iOS).
- **Wireless Charging:** Dedicated wireless charging area for Apple Watch.
- **Fast Charging:** 20W USB-C port for rapid device charging.
- **Solar Charging:** Backup charging method for emergencies and outdoor use.
- **Integrated Lights:** Dual flashlight with 3 modes and a camping lantern with 3 adjustable levels.
- **Outdoor Utilities:** Built-in compass, thermometer, and carabiner with rope.
- **Durable Design:** IPX5 waterproof, shockproof, and dustproof ABS+PC flame-retardant shell with silicone protection.
- **Safety Protections:** Overcharge, over-discharge, overcurrent, and short-circuit protection.

2.2 Package Contents

- BLAVOR 20000mAh Solar Power Bank (PN-W39) x 1
- USB-C Charging Cable x 1
- Carabiner x 1
- User Manual x 1



Figure 2.1: The package includes the BLAVOR Solar Power Bank, a USB-C cable, and the user manual.

3. Setup

3.1 Initial Charging

Before first use, fully charge the power bank using the included USB-C cable and a wall adapter (not included). This ensures the internal battery is calibrated and ready for optimal performance.

1. Connect the USB-C cable to the power bank's USB-C input port.
2. Connect the other end of the cable to a USB wall charger.
3. The LED indicators will illuminate to show charging progress. All four LEDs will be solid blue when fully charged.

3.2 Understanding LED Indicators

The power bank features LED indicators to display the remaining battery level and charging status:

- **4 Blue LEDs:** 75% - 100% charged
- **3 Blue LEDs:** 50% - 75% charged
- **2 Blue LEDs:** 25% - 50% charged
- **1 Blue LED:** 0% - 25% charged (recharge soon)
- During solar charging, the first green LED will illuminate to indicate solar input.

4. Operating Instructions

4.1 Charging the Power Bank

The power bank can be charged via USB-C or solar energy.

4.1.1 USB-C Charging (Recommended)

For the fastest and most efficient charging, use the USB-C input port with a compatible wall adapter.

- Connect the included USB-C cable to the power bank's USB-C input.
- Plug the other end into a USB wall charger.
- The blue LED indicators will show charging progress.

4.1.2 Solar Charging (Emergency/Backup)

The solar panel is designed for emergency use and to extend battery life in outdoor environments. It is not intended as the primary charging method due to its slower charging speed.

- Place the power bank in direct sunlight.
- Ensure the solar panel is facing the sun directly for optimal exposure.
- The first green LED indicator will light up when solar charging is active.



Figure 4.1: The solar panel provides a convenient backup charging method when direct sunlight is available.

4.2 Charging Your Devices

The power bank offers multiple ways to charge your devices.

4.2.1 Using Integrated Cables

Pull out the desired integrated cable (USB-C, iOS, or USB-A) and connect it directly to your device. The power bank will automatically begin charging.

4.2.2 Using USB Ports

Connect your device's charging cable to the appropriate USB-C or USB-A output port on the power bank. The power bank will automatically begin charging.

4.2.3 Wireless Charging for Apple Watch

Place your Apple Watch on the designated wireless charging area on the power bank. Ensure the watch is properly aligned for charging to begin. This feature is compatible only with Apple Watch models.



Figure 4.2: The power bank can charge up to 6 devices concurrently using its integrated cables, USB ports, and wireless charging pad.



Figure 4.3: Effortlessly charge your Apple Watch by placing it on the wireless charging pad.

4.3 Using the Flashlight and Camping Lantern

The power bank includes a dual flashlight and a camping lantern for illumination.

- **Flashlight:** Press and hold the power button for 3 seconds to turn on the flashlight. Short press to cycle through modes: Low brightness (100 Lm) > Medium brightness (300 Lm) > High brightness (400 Lm) > SOS > Strobe. Press and hold again to turn off.
- **Camping Lantern:** Double-press the power button to turn on the camping lantern. Short press to cycle through modes: Low brightness > Medium brightness > High brightness > Red warning light. Double-press again to turn off.



Figure 4.4: The power bank features a powerful dual flashlight and a versatile camping lantern for various lighting needs.

4.4 Using the Compass and Thermometer

The power bank integrates a compass and thermometer for outdoor navigation and environmental monitoring.

- **Compass:** The compass is located on the side of the power bank. Hold the device flat and away from magnetic interference for accurate readings.
- **Thermometer:** The thermometer is also located on the side. It provides ambient temperature readings.



Figure 4.5: The integrated compass and thermometer provide useful information for outdoor adventures.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your BLAVOR Solar Power Bank.

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the power bank in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, charge the power bank to about 50-75% every 3 months to preserve battery health.
- **Avoid Extreme Conditions:** While rugged, avoid prolonged exposure to extreme heat, cold, or direct water immersion.
- **Handle with Care:** Despite its shockproof design, avoid dropping the device from significant heights.



Figure 5.1: The power bank is designed to be waterproof, shockproof, and dustproof, making it suitable for rugged outdoor use.

6. Troubleshooting

If you encounter issues with your BLAVOR Solar Power Bank, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Power bank not charging	Loose cable connection; faulty cable/adapter; power bank fully charged.	Ensure cables are securely connected. Try a different cable or wall adapter. Check LED indicators; if all are solid, it's fully charged.

Problem	Possible Cause	Solution
Device not charging from power bank	Power bank battery low; loose connection; incompatible device; faulty cable.	Recharge the power bank. Ensure cables are securely connected. Try a different cable. Verify device compatibility.
Solar charging is slow or not working	Insufficient sunlight; solar panel obstructed/dirty; solar charging is a backup method.	Place in direct, strong sunlight. Clean the solar panel. Use USB-C charging for primary power.
Flashlight/Camping Lantern not working	Power bank battery low; incorrect button press.	Recharge the power bank. Refer to section 4.3 for correct button operations.
Wireless charging not working for Apple Watch	Watch not aligned; power bank battery low; not an Apple Watch.	Ensure Apple Watch is centered on the charging area. Recharge power bank. Confirm device is an Apple Watch.

If the problem persists after trying these solutions, please contact BLAVOR customer support.

7. Specifications

Feature	Specification
Model Number	PN-W39
Battery Capacity	20000mAh
Battery Type	Lithium Polymer
USB-C Input	5V/3A, 9V/2A (Max 18W)
USB-C Output	5V/3A, 9V/2.22A, 12V/1.67A (Max 20W)
USB-A Output	5V/3A, 9V/2A, 12V/1.5A (Max 18W)
Integrated Cables Output	USB-C, iOS, USB-A: 5V/3A (Max)
Wireless Charging Output	For Apple Watch (Specific models only)
Solar Panel Output	5V/0.3A (Max 1.5W)
Dimensions (L x W x H)	22.4 x 10 x 4.9 cm
Weight	780 g
Waterproof Rating	IPX5

8. Warranty and Support

BLAVOR offers a **3-Year Care Coverage** for this product, ensuring peace of mind regarding its quality and performance. For warranty claims, technical support, or any inquiries, please contact BLAVOR customer service through the retailer's

platform or the official BLAVOR website.

Please retain your purchase receipt as proof of purchase for warranty purposes.

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