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> [Outdoor Solar Portable Power Bank with Wireless Charging, Built-in Charging Cables, 10000mAh Battery, IP65 Waterproof, Dustproof, Digital Power Indicator, LED Flashlight, High Conversion Efficiency Orange - Instruction Manual](#)

Alpha Digital ZL809

Outdoor Solar Portable Power Bank - User Manual

Brand: Alpha Digital | Model: ZL809

1. INTRODUCTION

Thank you for choosing the Alpha Digital Outdoor Solar Portable Power Bank. This device is designed to provide reliable power for your electronic devices, especially during outdoor activities. It features a high-capacity battery, multiple charging options including solar and wireless, and a durable, waterproof design. Please read this manual carefully to ensure proper use and maintenance of your power bank.

2. PRODUCT OVERVIEW

Key Features:

- 10000mAh high-capacity battery.
- Dual recharging methods: USB and solar.
- Universal compatibility with 4 built-in charging cables (USB, Mini USB, Lightning, Type-C) and wireless charging.
- Built-in bright LED flashlight with three modes (Solid, Blink, Flashing).
- IP65 waterproof, dustproof, and shockproof design.
- Digital power indicator.

Components:



Figure 2.1: Front view of the power bank, highlighting its compact design and integrated charging cables.



Figure 2.2: Detailed diagram of the power bank's components, including USB Cable, Lightning Cable, Type-C Cable, Micro Cable, Wireless Charging Area, Torch Lights, Power Display, Power Button, Micro Input, and Type-C Input.

- **Built-in Cables:** USB, Mini USB, Lightning, Type-C.

- **Wireless Charging Area:** Located on the back surface.
- **Solar Panel:** On the front surface for emergency charging.
- **Power Button:** Activates power bank and flashlight.
- **Power Display:** LED indicators (25%, 50%, 75%, 100%) for battery level.
- **Torch Lights:** Integrated LED flashlight.
- **Input Ports:** Micro USB and Type-C for charging the power bank.
- **USB Output Port:** Standard USB-A port for device charging.

3. SETUP

Before first use, it is recommended to fully charge your power bank using a wall outlet via the USB or Type-C input port. This ensures the internal battery is calibrated and ready for optimal performance.

- Connect a compatible USB cable to the power bank's Micro USB or Type-C input port.
- Plug the other end of the cable into a USB wall adapter (not included) or a computer's USB port.
- The LED power indicators will illuminate to show charging progress. All four LEDs will be solid when fully charged.

4. OPERATING INSTRUCTIONS

4.1 Charging the Power Bank

Your power bank offers two methods for recharging:

USB Charging (Primary Method):

For fastest and most efficient charging, use a wall adapter. Connect the power bank to a USB wall charger using its Micro USB or Type-C input port. The digital power indicator will show the charging status.

Solar Charging (Emergency Backup):

Solar Panel Solar Charge

Sveral days via Solar Panel



Solar
Panel

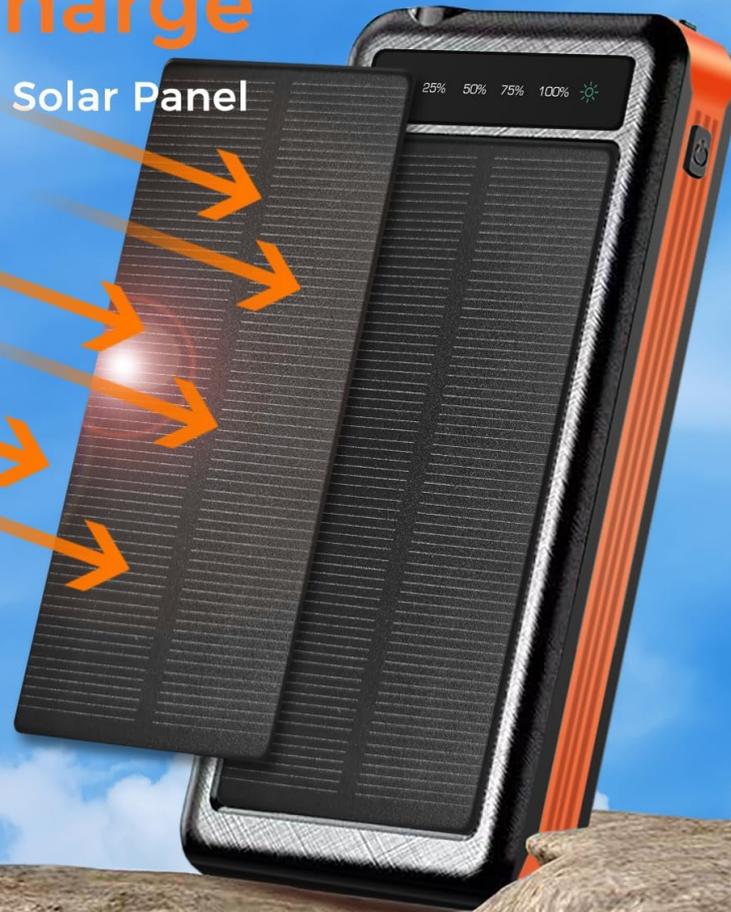


Figure 4.1: The power bank positioned to receive direct sunlight for solar charging.

The integrated solar panel is designed for emergency charging and maintaining battery life, not as a primary charging method due to its slower conversion rate. Place the power bank in direct sunlight. The solar charging indicator will light up when charging via solar power. For optimal solar charging, ensure the solar panel is clean and unobstructed.

4.2 Charging Your Devices

The power bank supports charging multiple devices simultaneously through its various outputs:

Using Built-in Cables:



Figure 4.2: Multiple devices being charged simultaneously using the power bank's built-in cables and USB output.

Pull out the appropriate built-in cable (USB, Mini USB, Lightning, or Type-C) and connect it to your device. The power bank will automatically begin charging.

Using Wireless Charging:



Figure 4.3: A smartphone wirelessly charging on the power bank's designated pad.

Place your Qi-compatible device on the wireless charging area of the power bank. Ensure the device is centered for optimal charging. The power bank will automatically detect and begin wireless charging.

Using USB Output Port:

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

4.3 LED Flashlight Operation



Figure 4.4: The power bank's LED flashlight providing illumination in a low-light environment.

- **To turn on/off:** Double-press the POWER button.
- **To cycle modes:** Once the flashlight is on, single-press the POWER button to switch between Solid, Blink, and Flashing (SOS) modes.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the power bank. Do not use harsh chemicals or abrasive materials.
- **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% capacity every 3 months to preserve battery life.
- **Water Resistance:** The power bank has an IP65 waterproof rating, meaning it is protected against low-pressure water jets from any direction and dust ingress. It is suitable for damp environments and light rain. **Do not submerge the power bank in water.**



Figure 5.1: The power bank demonstrating its water-resistant capabilities.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Power bank not charging devices or charging slowly.	Low battery on power bank; cable connection issue; device not compatible; power bank capacity lower than expected.	Ensure power bank is fully charged. Check all cable connections. Verify device compatibility. Note that the actual usable capacity may be slightly less than advertised due to energy conversion loss.
Solar charging is very slow or not working.	Insufficient direct sunlight; solar panel obstructed or dirty; solar charging is designed as an emergency feature.	Place the power bank in direct, strong sunlight. Clean the solar panel. Understand that solar charging is significantly slower than USB charging and is intended for emergency top-ups, not primary charging.
Power bank overheating during use/charging.	Overload; poor ventilation; direct sunlight exposure during charging.	Disconnect devices and allow power bank to cool down. Ensure adequate ventilation. Avoid charging in direct sunlight or enclosed spaces. If overheating persists, discontinue use.
LED flashlight not working.	Low battery; incorrect operation.	Charge the power bank. Double-press the POWER button to activate/deactivate the flashlight. Single-press to cycle modes.

7. SPECIFICATIONS

Feature	Detail
Model Number	ZL809

Feature	Detail
Battery Capacity	10000mAh
Product Dimensions	6.3 x 2.9 x 0.9 inches
Item Weight	12.3 ounces
Connector Type	Lightning, Micro USB, USB Type A, USB Type C
Special Features	Built-in Cables, Flashlight, Lightweight, Wireless Charging
Waterproof Rating	IP65
Battery Type	Lithium Polymer (included)
Color	Orange

8. SAFETY INFORMATION

- Do not expose the power bank to extreme temperatures (above 60°C/140°F or below -10°C/14°F) or direct sunlight for prolonged periods, especially during charging.
- Do not disassemble, puncture, or modify the power bank. This can lead to fire, explosion, or other hazards.
- Keep away from water and liquids. While IP65 rated, it is not designed for submersion.
- Keep out of reach of children.
- Do not use if the power bank is damaged, swollen, or leaking.
- Dispose of the power bank responsibly according to local regulations for battery disposal.

9. WARRANTY AND SUPPORT

Alpha Digital stands behind the quality of its products. For any questions, concerns, or technical support regarding your Outdoor Solar Portable Power Bank (Model ZL809), please contact Alpha Digital customer service. Please refer to your purchase documentation for specific warranty terms and conditions.

Manufacturer: Alpha Digital

For further assistance, please visit the [Alpha Digital Store on Amazon](#).