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› Luvknit Portable Charger Solar Power Bank 8000mAh (Model PS21K) Instruction Manual

## Luvknit PS21K

# Luvknit Portable Charger Solar Power Bank

Model: PS21K | Capacity: 8000mAh

## INTRODUCTION

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Thank you for choosing the Luvknit Portable Charger Solar Power Bank. This device is designed to provide reliable power for your electronic devices, especially in outdoor and emergency situations. Featuring an 8000mAh capacity, multiple charging ports, and an integrated LED flashlight, it is built for durability and convenience. Please read this manual thoroughly before using the product to ensure safe and optimal performance.

# See the Difference, Built to Last



Military-Grade  
Precision



Weather-Sealed  
Integrity



Overcharge  
Protection



Tested  
Trusted

# 8000 mAh



Image: The Luvknit Solar Power Bank highlighting its 8000mAh capacity and internal structure, emphasizing its robust design.

## PRODUCT OVERVIEW

### Package Contents:

- 1 x Luvknit Solar Power Bank (8000mAh)
- 1 x Instruction Manual
- 1 x Carry Hook

### Key Features:

- **8000mAh High Capacity:** Provides multiple charges for smartphones and tablets.
- **Multi-Port Fast Charging:** Equipped with USB-A and USB-C output ports, supporting 15W fast charging.
- **Solar Charging Capability:** Integrated solar panel for emergency power replenishment under direct sunlight.
- **Durable Construction:** Military-grade flame-retardant ABS+PC shell, IP68 waterproof, dustproof, and shockproof.

- **Emergency LED Flashlight:** Features 3 modes: Strong Light, Strobe, and SOS for various situations.
- **Safety Protection:** Built-in multi-protection chip prevents over-charge, over-current, short-circuit, and over-heat.



Image: The power bank connected to a laptop, smartphone, and tablet, demonstrating its multi-port charging capability.

## SETUP

### Initial Charging:

Before first use, it is recommended to fully charge the power bank via a wall outlet. This ensures the internal battery is properly activated and calibrated for optimal performance.

1. Connect a compatible USB-C cable to the power bank's USB-C input port.
2. Connect the other end of the cable to a USB wall adapter (not included) and plug it into a power outlet.
3. The LED indicators on the power bank will illuminate to show the charging status. Once all indicators are solid, the power bank is fully charged.

## OPERATING INSTRUCTIONS

## Charging the Power Bank:

The power bank can be charged using two methods:

- **Wall Outlet (Recommended for Daily Use):** For the fastest and most efficient charging, use a USB wall adapter. Connect a USB-C cable to the power bank's input port and the adapter. The power bank supports 15W fast input charging.
- **Solar Panel (Emergency Backup):** The integrated solar panel can recharge the power bank using direct sunlight. This method is slower and primarily intended for emergency situations or maintaining charge during outdoor activities when no other power source is available. Place the power bank in direct sunlight with the solar panel facing upwards.

**The Solid Advantage**

🔋 Solid-state Battery	VS	🌡️ Liquid Battery
<b>Charging Efficiency</b> <input checked="" type="checkbox"/> non-flammable, no explosion risks		<b>Charging Efficiency</b> <input type="checkbox"/> Leakage/fire/explosion risks
<b>Charging Stability</b> <input checked="" type="checkbox"/> 2x faster charging		<b>Charging Stability</b> <input type="checkbox"/> Shorter lifespan, degrades faster
<b>Temperature Control Stability</b> <input checked="" type="checkbox"/> Stable from -30°C to 80°C		<b>Temperature Control Stability</b> <input type="checkbox"/> Fast charging causes overheating
<b>Battery Health</b> <input checked="" type="checkbox"/> Double capacity, compact size		<b>Battery Health</b> <input type="checkbox"/> Poor performance in cold
<b>Environmental Protection</b> <input checked="" type="checkbox"/> Eco-friendly, easier to recycle		<b>Environmental Protection</b> <input type="checkbox"/> Hard to recycle, polluting

**Luvknit** vs **Others**

Image: The power bank being charged via its solar panel outdoors and via a wall adapter, illustrating multiple charging options.

## Charging Your Devices:

The power bank features USB-A and USB-C output ports to charge your electronic devices.

1. Connect your device's charging cable to one of the power bank's output ports (USB-A or USB-C).
2. Connect the other end of the cable to your device.
3. The power bank will automatically begin charging your device. It can charge up to 3 devices simultaneously.
4. The USB-C port supports 15W fast charging, capable of charging an iPhone from 15% to 65% in approximately 30 minutes.

**RELIABLE DUAL LIGHT SOURCE**  
STAY PREPARED WITH 3 VERSATILE FLASHLIGHT MODES

100 Feet Lumens | 200 Hours | 200 Lumens

Images showing people using the flashlight in various outdoor settings: a group of people sitting around a campfire, a person on a bicycle at night, a person sitting on a bench at night, a person standing on a rocky outcrop at night, and a person sitting on a bench at night.

Image: The power bank connected to various devices including smartphones, tablets, and a Nintendo Switch, demonstrating

broad compatibility.

## Using the LED Flashlight:

The integrated LED flashlight provides illumination and emergency signaling.

- **Activate:** Press and hold the power button for approximately 3 seconds to turn on the flashlight in Strong Light mode.
- **Cycle Modes:** Short press the power button to cycle through the modes: Strong Light → Strobe → SOS.
- **Deactivate:** Press and hold the power button again for approximately 3 seconds to turn off the flashlight.

# Safety Protection and Emergency Lighting

100 Feet  200 Hours  200 Lumens 



Steady mode      Strobe mode      SOS mode

Image: The power bank's dual LED flashlight in use, illustrating its three modes: Steady, Strobe, and SOS, useful for camping and emergencies.

## MAINTENANCE

### Cleaning:

Due to its waterproof and dustproof design, the power bank can be easily cleaned with a damp cloth. Ensure all port covers are securely closed before cleaning with water.

## Storage:

Store the power bank in a cool, dry place away from direct sunlight when not in use. While designed for extreme temperatures (-14°F to 140°F), prolonged exposure to very high or low temperatures can affect battery longevity.

## Battery Life:

The high-quality lithium-polymer battery is designed for a robust 1000+ charge cycles, offering a longer lifespan compared to standard batteries.



Image: The power bank shown enduring water splashes, dust, impacts, and extreme temperatures, highlighting its durable and rugged design.

## TROUBLESHOOTING

- **Power bank not charging:**

- Ensure the charging cable is securely connected to both the power bank's input port and the power source.
- Verify that the wall adapter and power outlet are functional.
- If using solar charging, ensure the panel is in direct, strong sunlight. Solar charging is slower and

intended for emergencies.

- **Devices not charging from power bank:**

- Check if the power bank has sufficient charge (refer to LED indicators).
- Ensure the charging cable connecting your device to the power bank is functional and securely connected.
- Try a different output port on the power bank.

- **Flashlight not working:**

- Ensure the power bank has sufficient charge.
- Press and hold the power button for 3 seconds to activate the flashlight.

- **Slow charging:**

- For charging the power bank, use a wall adapter for faster charging. Solar charging is inherently slower.
- For charging devices, ensure your device and cable support fast charging to utilize the power bank's 15W output.

## SPECIFICATIONS

Feature	Specification
Model Name	PS21K
Battery Capacity	8000 Milliamp Hours (mAh)
Battery Cell Type	Lithium Polymer
Connector Type	USB Type A, USB Type C
Output Current	3 Amps
Voltage	3.7 Volts
Rapid Charging Performance	15W fast charging (refills iPhone from 15% to 65% in 30 minutes)
Item Dimensions (L x W x Th)	5.63" x 2.91" x 0.85"
Item Weight	0.52 Pounds
Special Features	Fast Charging, Waterproof, Dustproof, Shockproof, Emergency LED Flashlight (3 modes)
Operating Temperature Range	-14°F to 140°F

## WARRANTY AND SUPPORT

### Warranty Information:

This Luvknit product is covered by a **1-Year Manufacturer Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

## Customer Support:

For any questions, technical assistance, or warranty inquiries, please contact Luvknit customer service. We strive to provide 24/7 customer service with a 2-hour fast response time.

For more information or to contact support, please visit the official Luvknit store on Amazon or refer to the contact details provided with your purchase documentation.

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