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BioLite SolarPanel 5+ Instruction Manual

Model: SPA0200

1. PRODUCT OVERVIEW

The BioLite SolarPanel 5+ is an ultraslim, portable 5-watt solar panel designed to provide off-grid power for your electronic devices. It features an integrated 3,200 mAh battery to store energy, ensuring power is available even when the sun isn't shining. Its compact and lightweight design makes it ideal for outdoor adventures, camping, and emergency preparedness.

Key features include:

- **5-Watt Output:** Capable of powering wearable fitness trackers, e-readers, phones, and other small electronic gear.
- **Integrated 3,200 mAh Battery:** Stores solar energy for convenient charging at any time.
- **Optimal Sun System:** Features an analog sundial for easy alignment to maximize solar power intake.
- **360-Degree Kickstand:** Provides stable and easy positioning on various terrains or for hanging.
- **High-Efficiency Monocrystalline Cells:** Designed for maximum panel efficiency and heat dissipation.
- **Durable and Weather-Resistant:** IPX4 rated to withstand splashing water from any angle.
- **Ultraslim Profile:** Weighs just 13.76 oz and measures 10.12" x 8.19" x 0.94", making it highly packable.



Figure 1: The BioLite SolarPanel 5+ in use, charging a smartphone. This image highlights the compact design and direct charging capability.

2. SETUP AND POSITIONING

Proper setup of your SolarPanel 5+ is crucial for maximizing its charging efficiency. The panel is designed for versatility, allowing for various positioning options to capture optimal sunlight.

2.1 Unpacking and Initial Inspection

Upon opening the package, ensure all components are present: the SolarPanel 5+ unit and a USB cable. Inspect the panel for any visible damage before first use.

2.2 Optimal Sun System

The SolarPanel 5+ features an analog sundial located on the orange bar. To achieve the best charging performance, position the panel so that the sundial indicates direct sunlight. The goal is to minimize shadows on the panel and ensure the sundial's indicator is centered.



Figure 2: Detail of the Optimal Sun System. This analog sundial helps users align the panel directly towards the sun for maximum energy capture.

2.3 Using the 360-Degree Kickstand

The integrated 360-degree kickstand allows for stable and flexible positioning. Extend the kickstand from the back of the panel to prop it up on flat or uneven surfaces. You can adjust the angle to face the sun directly. The panel also includes corner latches for external storage, making it easy to attach to a backpack or hang from a tree for charging while on the move.

Integrated 360 Kickstand

Helps stabilize and position easily on uneven terrain



Figure 3: The rear of the SolarPanel 5+ demonstrating its 360-degree kickstand, which allows for versatile positioning on various surfaces or when hanging.

High-Efficiency Monocrystalline Solar Panel

Minimalist design,
maximum efficiency



Figure 4: The SolarPanel 5+ can be easily hung from a tree or other elevated points using its corner latches, ensuring optimal sun exposure in diverse environments.

3. OPERATING INSTRUCTIONS

The SolarPanel 5+ is designed for straightforward operation, allowing you to charge devices directly or store power in its internal battery.

3.1 Charging Devices Directly

Connect your device (e.g., smartphone, e-reader, camera) to the USB output port on the SolarPanel 5+ using your device's charging cable. Place the solar panel in direct sunlight, ensuring proper alignment using the Optimal Sun System. Charging will begin automatically. For best results, avoid shading the panel.

3.2 Using the Integrated Battery

The SolarPanel 5+ features a 3,200 mAh internal battery. When the panel is exposed to sunlight, it will charge

both your connected device and its internal battery simultaneously. If no device is connected, the battery will charge. This allows you to store energy during the day and use it to charge devices later, even after sunset or during cloudy conditions.

On-Board 3,200 mAh Battery

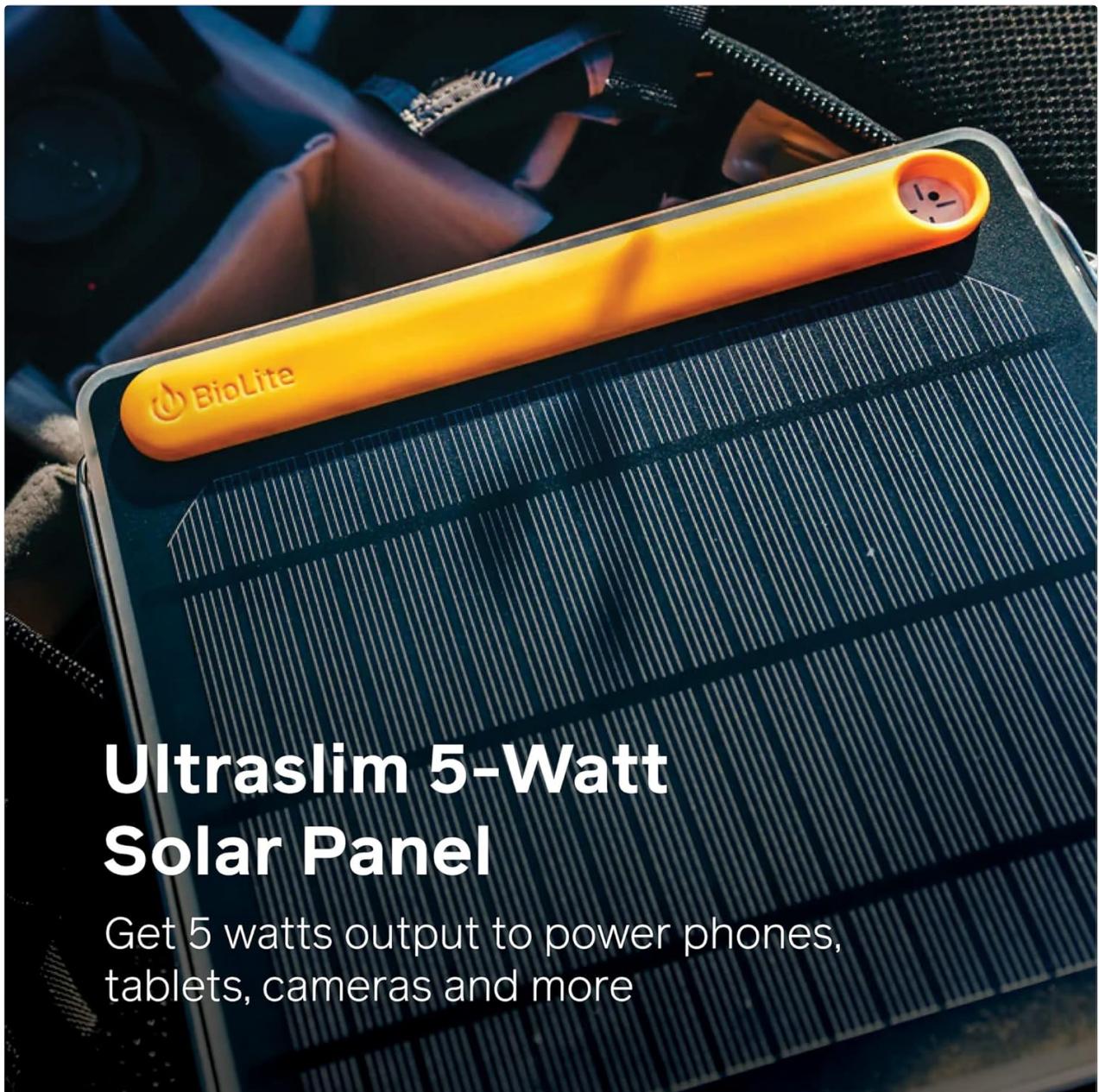
Store the sun's energy and use whenever you need it



Figure 5: The SolarPanel 5+ positioned outdoors, illustrating its ability to store solar energy in its 3,200 mAh on-board battery for later use.

3.3 Checking Battery Status

Press the battery status button located near the USB port to check the remaining charge in the internal battery. Indicator lights will illuminate to show the current battery level.



Ultraslim 5-Watt Solar Panel

Get 5 watts output to power phones, tablets, cameras and more

Figure 6: A close-up view of the SolarPanel 5+ highlighting its ultraslim design, USB output, and battery indicator lights for monitoring charge status.

3.4 Auto Reconnect Feature

The Auto Reconnect feature automatically resumes charging after temporary interruptions, such as passing clouds. This ensures continuous power collection without manual intervention.

4. MAINTENANCE

To ensure the longevity and optimal performance of your BioLite SolarPanel 5+, follow these simple maintenance guidelines:

- **Cleaning:** Periodically wipe the solar panel surface with a soft, damp cloth to remove dust, dirt, or debris. A clean surface ensures maximum sunlight absorption. Avoid abrasive cleaners or materials that could scratch the panel.
- **Storage:** When not in use, store the solar panel in a cool, dry place away from direct sunlight and

extreme temperatures. Its ultrathin profile allows for convenient storage.

- **Water Resistance:** The SolarPanel 5+ is IPX4 rated, meaning it can withstand splashing water from any angle. However, it is not designed for submersion. Avoid exposing the USB ports to excessive moisture when not in use.
- **Handling:** Handle the panel with care to prevent physical damage. While durable, dropping or subjecting it to heavy impacts can affect its performance.

5. TROUBLESHOOTING

If you encounter issues with your SolarPanel 5+, consider the following common troubleshooting steps:

- **Device Not Charging:**

- Ensure the solar panel is in direct sunlight and properly aligned using the sundial.
- Check that the USB cable is securely connected to both the panel and your device.
- Verify that your device is compatible with 5-watt USB charging.
- Press the battery status button to check if the internal battery has sufficient charge.

- **Slow Charging:**

- Ensure the panel is receiving unobstructed, direct sunlight. Partial shading can significantly reduce efficiency.
- Clean the solar panel surface if it's dirty or dusty.
- Charging speed can vary based on sunlight intensity, cloud cover, and ambient temperature.

- **Battery Not Charging:**

- Confirm the panel is in direct sunlight. The internal battery only charges when the panel is actively generating power.
- If the battery indicator lights are not illuminating, ensure the panel is exposed to strong sunlight.

If problems persist after following these steps, please refer to the Warranty & Support section for further assistance.

6. SPECIFICATIONS

Attribute	Detail
Brand	BioLite
Model Name	SolarPanel 5+
Model Number	SPA0200
Product Dimensions (L x W x H)	10.12" x 8.19" x 0.94"
Item Weight	13.76 oz (0.86 lbs)

Maximum Power Output	5 Watts
Internal Battery Capacity	3,200 mAh
Connector Type	USB
Material	Plastic
Water Resistance Rating	IPX4 (splash resistant)
Efficiency	High Efficiency Monocrystalline Cells

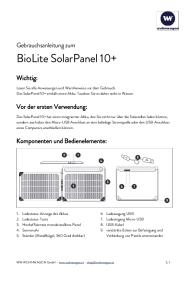
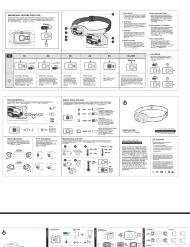
7. WARRANTY AND SUPPORT

BioLite stands behind the quality of its products. The SolarPanel 5+ comes with a manufacturer's warranty. For specific warranty details, including coverage period and terms, please refer to the warranty information included with your product packaging or visit the official BioLite website.

For technical support, product inquiries, or warranty claims, please contact BioLite customer service. You can find contact information and additional resources by visiting the [BioLite Store on Amazon](#) or their official website.

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Related Documents - SPA0200

	<p>BioLite SolarPanel 10+ User Manual and Specifications</p> <p>Comprehensive user guide for the BioLite SolarPanel 10+, covering setup, charging, maintenance, product specifications, and warranty information. Learn how to maximize solar energy generation and charge your devices efficiently.</p>
	<p>BioLite HeadLamp 325: Instructions, Usage, and Maintenance Guide</p> <p>Comprehensive guide for the BioLite HeadLamp 325, covering setup, operation modes, battery charging, maintenance, and safety precautions. Learn how to use your headlamp effectively.</p>
	<p>BioLite HeadLamp 800 Pro: Instructions and Usage Guide</p> <p>Comprehensive guide to operating, adjusting, charging, and maintaining the BioLite HeadLamp 800 Pro, including safety information and lighting modes.</p>

 <p>Charge 100 Max Instructions & Usage TSD-0004-3-RevE 05/2020</p> <p>For Safety, Tips and More BioLite.Help/Charge100</p>	<p>BioLite Charge 100 Max Power Bank: User Manual and Specifications</p> <p>Detailed instructions and specifications for the BioLite Charge 100 Max portable power bank, covering its features, operation, charging capabilities, safety guidelines, and warranty information.</p>
 <p>Luci Charge 360 Instructions & Usage How-To Videos, Tips & FAQs: BioLite.Help/LuciCharge360</p>	<p>Luci Charge 360: Instructions and Usage Guide</p> <p>Comprehensive instructions and usage guide for the Luci Charge 360 solar-powered light, covering charging, inflation, deflation, illumination, and frequently asked questions.</p>
	<p>BioLite BaseCharge 1500 User Manual and Instructions</p> <p>Comprehensive user manual for the BioLite BaseCharge 1500 portable power station, covering setup, usage, technical specifications, charging, maintenance, and troubleshooting.</p>