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BokiHuk Sonnenkollektor

BokiHuk Sonnenkollektor Solar Panel Instruction Manual

Model: Sonnenkollektor

1. INTRODUCTION

Welcome to the instruction manual for your BokiHuk Sonnenkollektor Solar Panel. This solar panel is designed to power outdoor string lights, offering both solar and USB charging options for reliable illumination. Please read this manual carefully before use to ensure proper installation, operation, and maintenance.

2. SAFETY INSTRUCTIONS

- **General Safety:** Always handle the solar panel with care. Do not attempt to disassemble or modify the unit. Keep out of reach of children.
- **Placement:** Ensure the solar panel is installed in a stable location where it will not be easily knocked over or damaged by strong winds.
- **Electrical Safety:** Do not connect the solar panel to any power source other than specified. Ensure all connections to string lights are secure and waterproof if exposed to elements.
- **Battery Safety:** The unit contains a Lithium-ion battery. Do not expose to extreme temperatures or fire. Do not puncture or damage the battery.

3. PACKAGE CONTENTS

Please check that all items listed below are present in your package:

- 1 x BokiHuk Sonnenkollektor Solar Panel
- 1 x Ground Stake (may be attached or separate)
- 1 x USB Charging Cable (may be included)
- 1 x User Manual (this document)

4. PRODUCT OVERVIEW

The BokiHuk Sonnenkollektor Solar Panel is an efficient power source for your outdoor string lights. It features a high-efficiency solar cell for charging during the day and a built-in Lithium-ion battery to power your lights at night. For cloudy days or faster charging, a USB input is also available. The panel includes controls for various lighting modes.



This image displays the BokiHuk Sonnenkollektor Solar Panel. It is a compact, rectangular black panel with visible solar cells, mounted on a black ground stake. This design allows for easy outdoor installation to capture sunlight.

5. SETUP

1. **Unpacking:** Carefully remove all components from the packaging.
2. **Assembly (if required):** Attach the ground stake to the solar panel if it is not pre-assembled. Ensure it is securely fastened.
3. **Placement:** Choose a location that receives direct sunlight for at least 6-8 hours a day. Avoid shaded areas from trees, buildings, or other obstructions. The panel should be angled towards the sun for maximum efficiency.
4. **Installation:** Insert the ground stake firmly into the soil. Alternatively, if a wall-mounting option is available (check included accessories), secure the panel to a wall using appropriate screws and anchors.
5. **Connecting String Lights:** Connect your compatible outdoor string lights to the output port on the solar panel. Ensure the connection is snug and protected from moisture.
6. **Initial Charge:** For best performance, allow the solar panel to charge in direct sunlight for a full day (8-10 hours) before first use, or charge via the USB port until the indicator light shows a full charge.

6. OPERATING INSTRUCTIONS

- **Power On/Off:** Locate the power button on the back or side of the solar panel. Press once to turn on the unit. Press again to turn off.
- **Automatic Operation:** The solar panel is equipped with a light sensor. It will automatically turn on the connected string lights at dusk and turn them off at dawn, provided there is sufficient battery charge.
- **Mode Selection:** The product supports 4 lighting modes. Press the 'Mode' button (usually located near the power button) to cycle through the available modes:
 - **Mode 1:** Steady On (Constant illumination)
 - **Mode 2:** Slow Flash (Gentle, slow blinking)
 - **Mode 3:** Quick Flash (Faster, more dynamic blinking)
 - **Mode 4:** Breathing Light (Gradual dimming and brightening effect)
- **USB Charging:** If solar charging is insufficient or for a quick charge, connect the provided USB cable to the USB input port on the solar panel and to a standard USB power adapter (not included). The charging indicator light will show charging status.

7. MAINTENANCE

- **Cleaning:** Regularly wipe the surface of the solar panel with a soft, damp cloth to remove dust, dirt, and debris. A clean panel ensures optimal sunlight absorption.

- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. If storing the unit for an extended period, ensure the battery is partially charged (around 50%) and recharge every few months.
- **Winter Care:** In areas with heavy snow or prolonged periods of low sunlight, consider bringing the solar panel indoors or ensuring it is clear of snow and ice to prevent damage and maintain battery health.

8. TROUBLESHOOTING

- **Lights Not Turning On:**
 - Ensure the solar panel is switched ON.
 - Check if the battery has sufficient charge. Allow it to charge in direct sunlight for a full day or via USB.
 - Verify that the string lights are properly connected to the solar panel.
 - Ensure the light sensor is not obstructed and it is dark enough for the lights to activate automatically.
- **Lights Dim or Short Operating Time:**
 - The solar panel may not be receiving enough direct sunlight. Relocate to a sunnier spot.
 - The panel surface might be dirty. Clean it as per maintenance instructions.
 - The battery may be aging. Battery performance naturally degrades over time.
- **USB Charging Not Working:**
 - Check the USB cable for damage.
 - Ensure the USB power adapter is functioning correctly.
 - Verify the USB port on the solar panel is clean and free of debris.

9. SPECIFICATIONS

Manufacturer	BokiHuk
Model Number	Sonnenkollektor
Power Source	Solar Powered (with USB charging option)
Battery Type	2 x Lithium-ion (included)
Material	Glass, Aluminum, Crystalline Polysilicon
Color	Black
Package Dimensions	20 x 13 x 5 cm
Item Weight	20 Grams
Components Included	Solar Panel

10. WARRANTY INFORMATION

This product is covered by a limited warranty provided by the manufacturer. Please refer to the product packaging or contact your retailer for specific warranty terms and conditions. Keep your purchase receipt as proof of purchase.

11. SUPPORT INFORMATION

For technical assistance, troubleshooting beyond this manual, or to inquire about replacement parts, please contact the seller or manufacturer directly. You can typically find contact information on the product packaging or the retailer's website.

