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› [BLAVOR 30W Foldable Solar Charger Instruction Manual](#)

BLAVOR PN-30P

BLAVOR 30W Foldable Solar Charger Instruction Manual

Model: PN-30P

1. INTRODUCTION

Thank you for choosing the BLAVOR 30W Foldable Solar Charger. This manual provides essential information for the safe and efficient operation of your solar panel. Designed for outdoor use, this charger offers multiple fast-charging outputs and high conversion efficiency, making it ideal for powering various electronic devices and solar generators.



Image 1: BLAVOR 30W Foldable Solar Charger in an unfolded state.

2. SAFETY INFORMATION

- Do not bend or drop the solar panel, as this may damage the solar cells.
- Avoid exposing the control unit to direct sunlight for extended periods to prevent overheating.
- Keep the solar panel away from fire, water, and corrosive substances.
- Do not attempt to disassemble or modify the product.
- Ensure all connections are secure before charging devices.
- While the panel is IPX4 waterproof, avoid prolonged immersion in water.

3. PACKAGE CONTENTS

- BLAVOR 30W Foldable Solar Panel
- DC Cable
- 3 DC Adapters
- 2 Carabiners
- User Manual



Image 2: Contents included with the BLAVOR 30W Solar Charger.

4. PRODUCT OVERVIEW

4.1 Key Features

- **High Conversion Efficiency:** Monocrystalline silicon solar cells convert up to 24% of solar power.
- **Multiple Fast Charging Outputs:** Includes QC3.0 USB-A (24W Max), USB-C (18W Max), and DC (30W Max) ports.
- **Durable Design:** Features high transmittance ETFE film and water-resistant fabrics (IPX4 rated) for extended lifespan and outdoor resilience.
- **Portable & Foldable:** Compact design with metal hanging holes for easy transport and setup during outdoor activities.

4.2 Components

- Foldable Solar Panels
- Integrated Control Unit with USB-A, USB-C, and DC Output Ports
- Attachment Loops/Grommets

MONOCRYSTALLINE PANELS

Higher Solar Conversion Rate, Longer Life Span

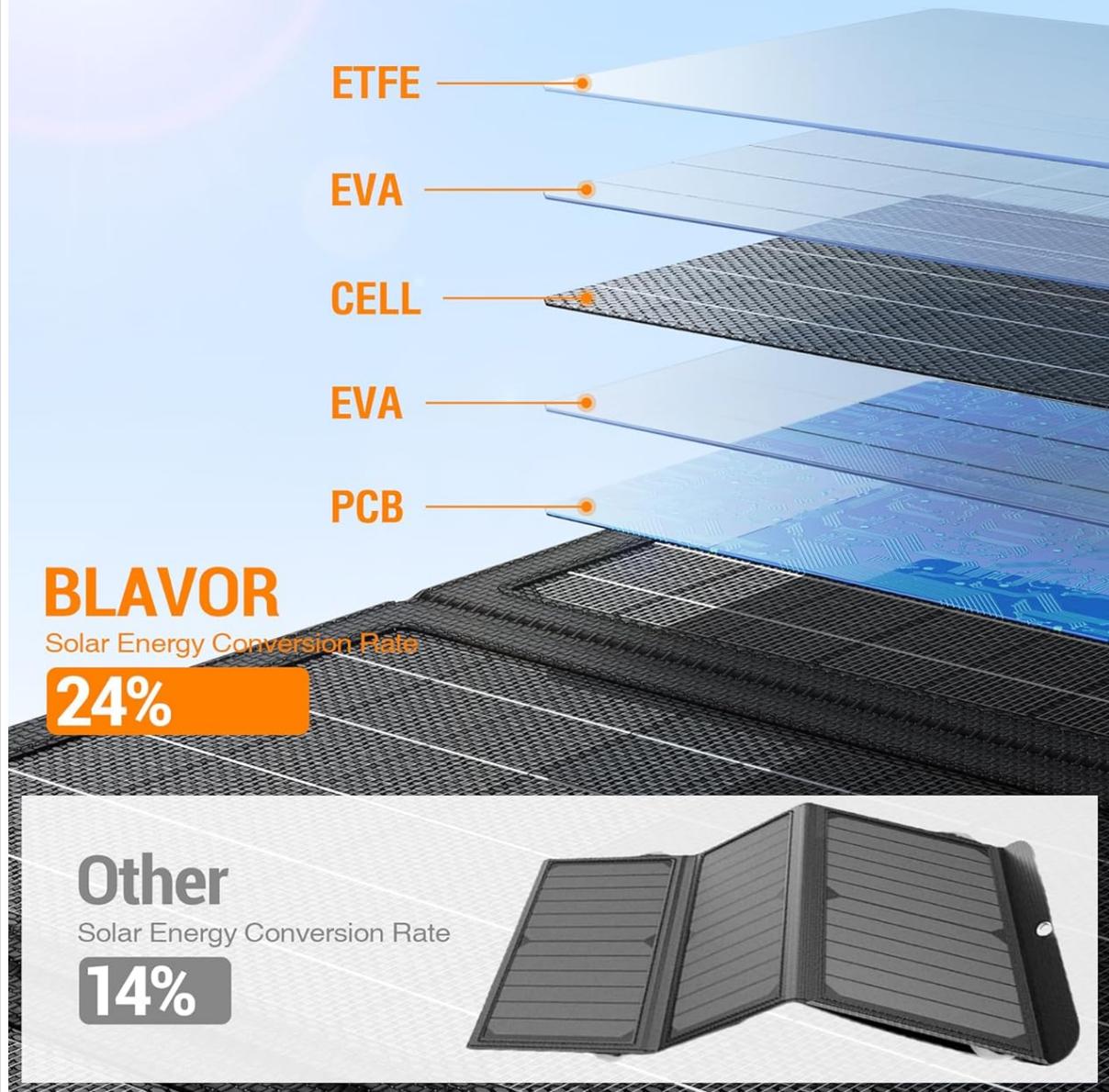


Image 3: Monocrystalline Panel Technology.

UNIVERSAL COMPATIBILITY

4 Connectors Compatible with Most Devices

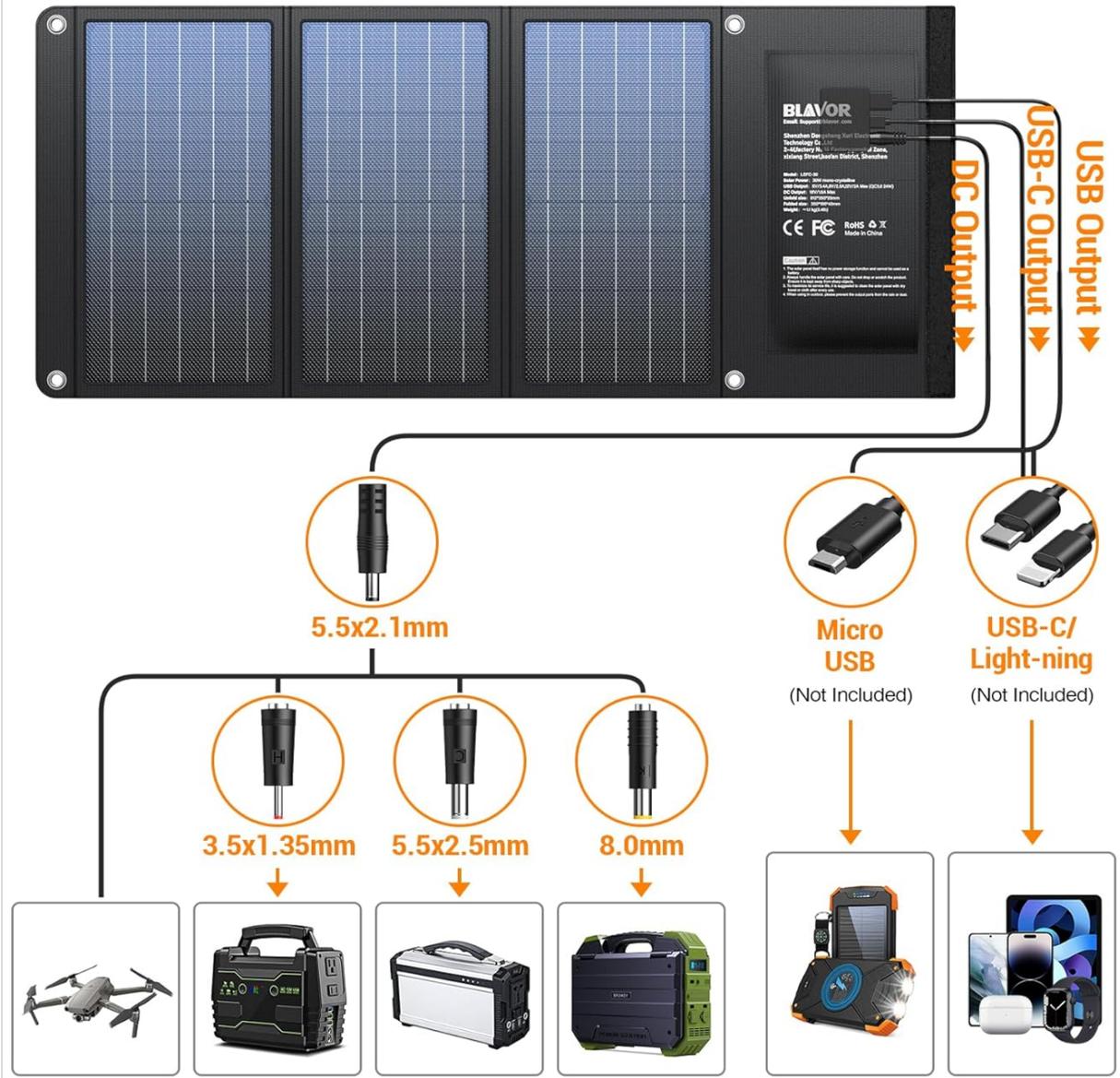


Image 4: Universal Compatibility and Output Ports.

5. SETUP

1. **Unfold the Solar Panel:** Carefully unfold the BLAVOR 30W solar charger to its full extent.
2. **Position for Optimal Sunlight:** Place the solar panel in direct sunlight, ensuring no shadows fall on the panels. Adjust the angle of the panel to face the sun directly for maximum power output.
3. **Secure the Panel:** Use the integrated metal hanging holes and included carabiners to secure the panel to a backpack, tent, or tree if needed, especially in windy conditions.

ON-THE-GO CHARGER

Power Your Adventure



Image 5: Solar panel attached to a backpack for on-the-go charging.



Image 6: Outdoor setup for powering off-grid trips.

6. OPERATING INSTRUCTIONS

1. **Connect Your Device:** Plug your electronic device (phone, tablet, solar generator, etc.) into the appropriate output port on the control unit (USB-A, USB-C, or DC) using its charging cable.
2. **Begin Charging:** Once connected and exposed to sufficient sunlight, the solar panel will automatically begin charging your device. The charging indicator (if present on your device) will confirm the charging status.
3. **Optimize Charging:** For best results, ensure the solar panel remains in direct sunlight and is angled optimally throughout the charging process.

4. **Using DC Adapters:** If charging a device with a DC input, select the correct DC adapter from the included set and connect it to the DC cable, then to your device.



Image 7: Fast charging outputs in use.

HIGH-SPEED CHARGING



Image 8: High-speed charging of a smartphone.

7. MAINTENANCE

- **Cleaning:** Wipe the solar panels with a soft, damp cloth to remove dust and dirt. Do not use harsh chemicals or abrasive materials.
- **Storage:** When not in use, fold the solar panel and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Regularly inspect the panel and cables for any signs of damage. Do not use if damaged.

BLAVOR

— Outdoor Solar Charging Expert —



Image 9: Dustproof and Waterproof Design.

8. TROUBLESHOOTING

- **Device not charging:**
 - Ensure the solar panel is in direct sunlight without any obstructions.
 - Check all cable connections to ensure they are secure.
 - Verify that your device is compatible with the output specifications of the charger.
 - Test with a different cable or device to rule out cable/device issues.
- **Slow charging:**
 - Adjust the panel's angle to directly face the sun.
 - Clean the solar panels if they are dirty.
 - Charging speed can be affected by cloud cover, time of day, and geographical location.

9. SPECIFICATIONS

Attribute	Value
Brand	BLAVOR
Model Number	PN-30P
Material	Monocrystalline Silicon
Maximum Power	30 Watts
Efficiency	24%
Product Dimensions (Unfolded)	1.85"L x 14.17"W x 7.67"H (approx. 4.7cm L x 36cm W x 19.5cm H)

Item Weight	2.97 pounds (approx. 1.35 kg)
Output Voltage	18 Volts (DC)
Special Features	Fast Charging, Foldable, Lightweight, IPX4 Waterproof

EASY TO CARRY

Portable and Foldable, Saving Space



Image 10: Folded and Unfolded Dimensions.

10. WARRANTY AND SUPPORT

BLAVOR offers a **3-Year Replacement Promise** for this product. For any issues, questions, or support needs, please contact BLAVOR customer service through the retailer where the product was purchased or visit the official BLAVOR website for contact information.

POWER YOUR OFF-GRID TRIPS



Image 11: 3-Year Replacement Promise.