



# POWER SYNC™

## SolarWrap™



## Quick Start Guide

## IMPORTANT SAFETY INFORMATION

Please read this manual in its entirety before operating your Bushnell POWERSYNC™ product. It contains important information concerning the setup, operation and maintenance of the product. Keep this manual for future reference.

- **WARNING:** This product should only be used with the supplied charging unit and accessories (not included with all models). Use of a charger or accessories not recommended or supplied by Bushnell may result in product damage, fire, electrical shock or injury, and will void your product warranty.
- **CAUTION:** Do not use the product to charge an external device at the same time as the internal battery is being charged (by the AC wall charger or by the solar panels).
- **CAUTION:** Do not operate the product in an environment where temperatures exceed 112° F/45° C
- **CAUTION:** Do not submerge the product in water, or attempt to operate the product after it has been exposed to water.
- **CAUTION:** Do not attempt to open the product. There are no user serviceable internal parts. Disassembling the product will void your warranty. The rechargeable battery must be replaced by a qualified technician.
- **CAUTION:** Check adaptors for correct fit and compatibility before using the product to charge electronic devices. Improperly used adaptors can be a shock hazard and may damage the electronic device.
- **CAUTION:** Before operating the product or connecting it to any other device, check to ensure that all cables are not damaged. Extreme heat, water, petroleum products and sharp edges all have the potential to damage cables. Do not use any cable with exposed wiring.
- **CAUTION:** Charge your connected devices in an area away from the direct sun if possible.
- **WARNING: EXPLOSION HAZARD!** - Do not incinerate any Bushnell POWERSYNC product, or attempt to use it in a microwave oven.
- **WARNING:** Bushnell POWERSYNC products are not intended for powering any medical equipment, life support devices, or any other critical equipment.
- **CAUTION:** Do not clean your Bushnell POWERSYNC product with anything other than a damp rag. The use of cleaning chemicals or other products may harm the unit and will void your warranty.
- Do not dispose of any Bushnell POWERSYNC product as you would normal household trash. Please contact your local government authority for directions regarding the proper disposal of products containing a Lithium Ion battery.

## PACKING LIST

This POWERSYNC model includes the following items:

- SolarWrap (Model PP1040 or PP1025)
- USB Cable
- AC Wall Charger
- Quick Start Guide

**AC Wall Charger**  
*(with USB cable connected)*



## HOW THE SOLARWRAP WORKS

The SolarWrap™ uses an advanced solar panel technology that is flexible, water resistant and durable. An on-board lithium ion battery stores the electrical energy collected by the solar panel, so it can be used to recharge your portable electronic devices even at night or on a cloudy day. The SolarWrap battery can also be charged from an AC outlet, ready to provide immediate power on demand. After the battery power is depleted, just roll out the solar panel and let the sun charge it during the day, so you can recharge your devices anytime.

**FROM CHARGER USB PORT**  
*(standard USB plug)*



**TO SolarWrap  
INPUT PORT**  
*(micro USB plug)*



**INPUT**-Used for charging the SolarWrap internal battery from wall charger.  
LEDs indicate charge status.



**POWERSYNC POWER GAUGE**  
**(LED Battery Status Indicators)**

**A**  
**Power  
Button**

**OUTPUT**-Used for charging your device from the SolarWrap's internal battery (once charged via solar energy or wall charger)



**FROM SolarWrap  
OUTPUT PORT**  
*(standard USB plug)*



**TO PORTABLE DEVICE  
CHARGING PORT\***  
*(micro USB plug)*



*\* Use USB charging cable included with your device if this connector is not compatible.*

## CHARGING THE SOLARWRAP FROM THE WALL CHARGER

Connect USB cable to micro-USB INPUT port **(A)** from the USB port on the supplied AC charger **(pg. 2)**, and plug it into a wall outlet (100-240v). Press the Power button. All four LEDs on the Power Gauge **(Fig. 1)** will light up *(for 10 min.)* when the SolarWrap's internal battery has been fully charged *(you may leave it connected to the charger overnight without risk of overcharging)*, and you're ready to connect and charge your device.

## CHARGING THE SOLARWRAP FROM THE SUN

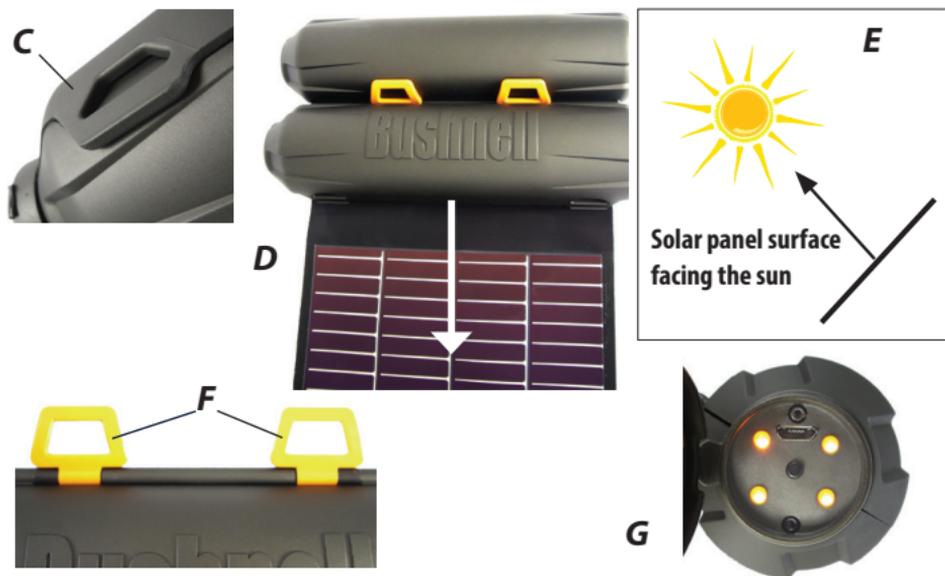
Flip open the two latches **(C)** on the SolarWrap outer shell and open it up. Unroll the solar panel out to full length **(D)**. Place the SolarWrap in a location where all the solar panel surfaces will be exposed to as much direct sunlight as possible **(E)**. The hang tabs on the shell of the SolarWrap **(F)** can be used to stake it to the ground to keep it securely in place on a windy day, or hang it from a tree or your backpack with carabiners. Allow up to 6 hours (PP1040) or 10 hours (PP1025) to solar charge the internal battery from a fully discharged condition. The Power Gauge LEDs near the INPUT port will monitor the charge level **(Fig. 1)**. All four LEDs on the Power Gauge will light up *(for 10 min.)* when the SolarWrap's internal battery has been fully charged, and you're ready to connect and charge your device.

## CHARGING YOUR DEVICE FROM THE SOLARWRAP

Press the power button on the INPUT end of the battery cylinder **(A)** to check the SolarWrap's charge status, then connect the supplied USB cable from the OUTPUT port **(B)** of the SolarWrap to your device to recharge it. If your device uses a non-standard type of connector, use the cable that came with it to connect to the SolarWrap's OUTPUT port. Check the charge indicator on your device to determine when it's ready to use.

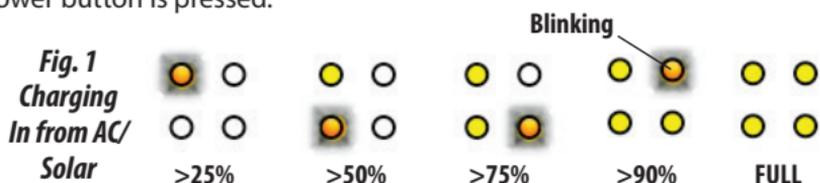
## STORING & TRANSPORTING THE SOLARWRAP

Roll the solar panel back up (following the curve of the battery cylinder, with the black side facing out) and close the storage shell to help keep the solar panel protected from accidental damage when you are charging your device from the SolarWrap's battery, and anytime you transport the SolarWrap to a new location. Cover the INPUT and OUTPUT ends of the battery cylinder with the attached caps when storing or transporting the SolarWrap, to help keep dirt and debris out of the USB ports.

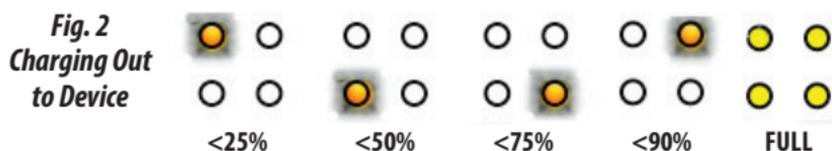


## UNDERSTANDING THE POWERSYNC POWER GAUGE

The 4 LED charge indicators on the INPUT end of the battery cylinder (**G**) allow you to monitor the status of the SolarWrap's internal battery. While the battery is charging from the AC wall charger or the solar panels, the LEDs will light up in sequence to show the charge level as shown in **Fig. 1**. The LED indicating the current battery level will blink rapidly while charging. When charging is complete, all LEDs remain on for 10 min., then shut off until the Power button is pressed.



While the SolarWrap is charging your connected device (Power button must be pressed), the LEDs will monitor the SolarWrap's battery level as shown in **Fig. 2**, with a single LED blinking once every 15 sec. (indicates active charging but conserves battery power).



## UNDERSTANDING THE POWERSYNC POWER GAUGE

You can also check the current level of the SolarWrap's battery charge anytime by pressing the Power button, even when it is not connected to the charger or an external device. The LEDs will glow steadily to indicate the charge level % as shown in **Fig.3** , then shut off after 10 seconds.



### TECHNICAL SPECIFICATIONS

Model	PP1040 (SolarWrap 400)	PP1025 (SolarWrap 250)
Weight	10.1 oz / 286 g	9.2 oz / 260 g
Size	9.2 x 2.4 in. (29.25 in. fully extended)	9.2 x 2.4 in. (17 in. fully extended)
Charge Time (Wall Charger)	approx. 4-6 hrs.	approx. 4-6 hrs.
Charge Time (via solar panel)	approx. 4-6 hrs. <i>(variable due to weather conditions, position, etc.)</i>	approx. 4-10 hrs. <i>(variable due to weather conditions, position, etc.)</i>
Power Output	5 volts, 1 amp (1000 mA)	5 volts, 1 amp (1000 mA)
Internal Battery Type	Dual Lith Ion	Dual Lith Ion
USB Inputs / Outputs	1 / 1	1 / 1
Operating Temp. Range	-4 ~ 112° F (-20~44° C)	-4 ~ 112° F (-20~44° C)
Storage Temp. Range	-4 ~ 140° F (-20~60° C)	-4 ~ 140° F (-20~60° C)
Recommended Devices/# of Charges* <i>(from fully charged internal battery)</i>	Cell Phones (inc Smartphones)/2x, MP3 Players/3x, Digital Cameras/5x, Tablet/0.5x. <i>Note: Tablets and other devices have higher power requirements and may not attain a full charge from the SolarWrap battery.</i>	Cell Phones (inc Smartphones)/2x, MP3 Players/3x, Digital Cameras/5x, Tablet/0.5x. <i>Note: Tablets and other devices have higher power requirements and may not attain a full charge from the SolarWrap battery.</i>

\* Rechargeable batteries in electronic devices charge at different rates, depending on many factors including temperature, age and circuit design. Bushnell provides examples of charges per device, based on typical product use and are not intended to be specific to any single device.

#### ATTENTION!

The PP1040/PP1025 is protected from static shock.

If the unit does not turn on after depressing power button, please hold down power button for 2 seconds or until light activates.

*Specifications and designs are subject to change without any notice or obligation on the part of the manufacturer.*

## ONE YEAR LIMITED WARRANTY

Your Bushnell® POWERSYNC product is warranted to be free of defects in materials and workmanship for one year after the date of purchase. In the event of a defect under this warranty, we will, at our option, repair or replace the product, provided that you return the product postage prepaid. This warranty does not cover damages caused by misuse, improper handling, installation, or maintenance provided by someone other than a Bushnell Authorized Service Department.

Any return made under this warranty must be accompanied by the items listed below:

1. A check/money order in the amount of \$10.00 to cover the cost of postage and handling
2. Name and address for product return
3. An explanation of the defect
4. Proof of Date Purchased
5. Product should be well packed in a sturdy outside shipping carton, to prevent damage in transit, with return postage prepaid to the address listed below:

### **IN U.S.A. Send To:**

Bushnell Outdoor Products  
Attn.: Repairs  
9200 Cody  
Overland Park, Kansas 66214

### **IN CANADA Send To:**

Bushnell Outdoor Products  
Attn.: Repairs  
25A East Pearce Street, Unit 1  
Richmond Hill, Ontario L4B 2M9

For products purchased outside the United States or Canada please contact your local dealer for applicable warranty information. In Europe you may also contact Bushnell at:

Bushnell Germany GmbH  
European Service Centre  
Mathias-Brüggen-Str. 80  
D-50827 Köln  
GERMANY  
Tel: +49 221 995568-0  
Fax: +49 221 995568-20

This warranty gives you specific legal rights.  
You may have other rights which vary from country to country.  
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## FCC Compliance Statement

This device complies with Part 15 of the FCC interference limits for Class B digital devices FOR HOME OR OFFICE USE. These limits are designed to provide reasonable protection against harmful interference in a residential installation, and are more stringent than "outdoor" requirements.

Operation of this device is subject to the following conditions; (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device does not contain any user-serviceable parts. Repairs should only be made by an Authorized Bushnell repair center. Unauthorized repairs or modifications could result in permanent damage to the equipment, and will void your warranty and your authority to operate this device under Part 15 regulations.

The shielded interface cable which is provided must be used with the equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.





**POWER** SYNC™

Customer Service: (800) 423-3537

[www.bushnell.com](http://www.bushnell.com)

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