**BPS SunPower 40W Solar Panel**

**SPECIFICATIONS**
- Cell Type: Monocrystalline
- Folded Dimensions: 12.5” x 12.5” x 0.75” (L x W x H)
- Open Dimensions: 41” x 12.5” x 0.75” (L x W x H)
- Weight: 2.7 lbs.
- Rated Wattage: 40W
- Output Voltage with Voltage Controller: 14.6V
- Output Voltage without Voltage Controller: 19.2V
- Efficiency Rating: 22%
- Warranty: 1 year

**PACKAGE CONTENTS**
- Carry Bag
- SunPower 40W Solar Panel
- Connection Cord with Voltage Controller
- DC Input Cord
- Instruction Manual

**FREQUENTLY ASKED QUESTIONS**

*Is the SunPower 40W Solar Panel waterproof?* The panels are weather-resistant and will not be harmed if exposed to light rain or snow; however, the solar panel’s input cord is not weather-resistant and must be kept dry.

*Does the SunPower 40W Solar Panel hold a charge?* The solar panels only produce power when exposed to sunlight and that power is not stored and must be transferred to a battery source.

*Can I leave the SunPower 40W Solar Panel outside for continual use?* The panels are not designed for continuous outdoor use. When not in use wipe the panels with a clean, dry cloth and fold for storage.

*Does the SunPower 40W Solar Panel have an internal charge controller?* The solar panel does not have an internal charge controller; however, the Freedom™ and C-100 model CPAP batteries have internal circuitry that prevents overcharging. **When using the solar panel to charge other devices it is important that you read the charging instructions for the specific device as overcharging may damage the device’s internal battery.**

**SAFETY & CARE INSTRUCTIONS**
- Only fold on the set breaks of the panels with the solar cells facing outward. Always protect the solar cells when not in use.
- Do not attempt to charge non-rechargeable batteries or devices with non-rechargeable batteries.
- Do not expose the solar panel to extreme heat or direct sunlight for long periods of time as this may cause warping of the panels. Once charging is complete move the panel out of direct sunlight.
- Do not machine wash, machine dry, or dry clean.
- If dirt or debris collect on the solar panels use a clean, damp cloth to wipe the panels. Do not use soap or solvents as they can create a film on the solar panels which can affect performance.
- Make sure the panels are clean and dry before storage.
BPS SunPower 40W Solar Panel

INTRODUCTION
The SunPower 40W Solar Panel allows you to safely and efficiently charge Battery Power Solutions Freedom™ or C-100 model CPAP Battery using the power of the sun.

It can also be used to charge other small portable electronic devices such as cell phones and tablets that operate from 19.2V or less using the device’s DC power cord (auto charge cable) and the included DC input cord.

CHARGE TIME FOR CPAP BATTERIES
Charge times will vary based on the amount of power the SunPower 40W Solar Panel is able to collect from the sun, which will depend upon the amount of direct sunlight that hits the solar cells.

In optimal conditions the Freedom™ or C-100 CPAP Battery can be charged in approximately 6 hours when the battery is fully discharged. Charge times are per battery; therefore, it will take approximately 12 hours to charge two batteries simultaneously.

CHARGE TIME FOR OTHER DEVICES
Charge times for other small electronics devices that operate from 19.2V or less will vary depending upon the charging requirements of the device.

OPTIMAL CHARGING CONDITIONS

- direct sunlight with the solar panels angled toward the sun between 30° to 50° from the horizontal (flat) moving the panels throughout the day to follow the movement of the sun
- no clouds
- no shade covering any of the solar panels
- no hanging branches or other obstructions to direct sunlight
- no dirt or debris on the solar panels

CHARGING OTHER SMALL ELECTRONIC DEVICES

- Plug the DC input cord into the SunPower 40W Solar Panel input cord (the cord connected to the back of the panel).
- Plug the DC power cord (auto charge cable) of the electronic device into the DC input cord.
- Connect the electronic device to its DC power cord.
- Place the SunPower 40W Solar Panel angled toward direct sunlight to begin the charging process. Avoid leaving the electronic device in direct sunlight during charging by covering it or placing it in the shade of the angled solar panels.

Make sure to read the charging instructions for your specific device. The SunPower 40W Solar Panel does not have an internal charge controller and the unregulated output of the panel is 19.2V. Overcharging your device may result in damage to the internal battery of the device.

As soon as charging is complete disconnect the SunPower 40W Solar Panel from the electronic device.
BPS SunPower 40W Solar Panel

CPAP BATTERY CHARGING INSTRUCTIONS

- Remove the SunPower 40W Solar Panel from the carry bag, unsnap the top flap and then fold out the three panels with the solar cells facing outward.
- Plug the connection cord with voltage controller into the SunPower 40W Solar Panel input cord (the cord connected to the back of the panel).
- Plug the connection cord with voltage controller into the DC IN jack of the Freedom™ or C-100 CPAP Battery.
- Place the SunPower 40W Solar Panel angled toward direct sunlight to begin the charging process. Avoid leaving the CPAP battery in direct sunlight during charging by covering it or placing it in the shade of the angled solar panels.
- When charging is complete disconnect the Freedom™ or C-100 CPAP Battery from the SunPower 40W Solar Panel.

DUAL BATTERY CHARGING

- Plug the connection cord with voltage controller into the SunPower 40W Solar Panel input cord (the cord connected to the back of the panel).
- Plug the connection cord with voltage controller into the DC power pigtail cord included with the Freedom™ or C-100 CPAP Battery Kit.
- Plug the DC power pigtail cord into the DC IN jacks of both batteries.
- Place the SunPower 40W Solar Panel angled toward direct sunlight to begin the charging process. Avoid leaving the CPAP batteries in direct sunlight during charging by covering it or placing it in the shade of the angled solar panels.
- When charging is complete disconnect the Freedom™ or C-100 CPAP Battery from the SunPower 40W Solar Panel.
BPS SunPower 40W Solar Panel

CPAP BATTERY CHARGING INSTRUCTIONS

- Remove the SunPower 40W Solar Panel from the carry bag, unsnap the top flap and then fold out the three panels with the solar cells facing outward.

- Plug the connection cord with voltage controller into the SunPower 40W Solar Panel input cord (the cord connected to the back of the panel).

- Plug the connection cord with voltage controller into the DC IN jack of the Freedom™ or C-100 CPAP Battery.

- Place the SunPower 40W Solar Panel angled toward direct sunlight to begin the charging process. Avoid leaving the CPAP battery in direct sunlight during charging by covering it or placing it in the shade of the angled solar panels.

- When charging is complete disconnect the Freedom™ or C-100 CPAP Battery from the SunPower 40W Solar Panel.

DUAL BATTERY CHARGING

- Plug the connection cord with voltage controller into the SunPower 40W Solar Panel input cord (the cord connected to the back of the panel).

- Plug the connection cord with voltage controller into the DC power pigtail cord included with the Freedom™ or C-100 CPAP Battery Kit.

- Plug the DC power pigtail cord into the DC IN jacks of both batteries.

- Place the SunPower 40W Solar Panel angled toward direct sunlight to begin the charging process. Avoid leaving the CPAP batteries in direct sunlight during charging by covering it or placing it in the shade of the angled solar panels.

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![Diagram of the SunPower 40W Solar Panel and its components]
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SUNPOWER 40W SOLAR PANEL

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