



For more information:  
[solpro.com](http://solpro.com)



## 6. SAFETY PRECAUTIONS

This product has been designed and manufactured to ensure personal safety. Please read the following carefully before using the product. Incorrect operation or incompatibility with your device may result in reduced battery performance or damage to your device.

### **WARNING:**

**CHOKING HAZARD** - Small parts not for children under 3 years or any individuals who have a tendency to place inedible objects in their mouths.

- 6.1. Check voltage of your device for compatibility with the product.
- 6.2. Store and operate between 23°F to 113°F (0°C to 45°C). Keep the product away from any heat sources. Temperatures over 140°F (60°C) may cause damage.
- 6.3. Keep the product dry and away from water. Do not bring this product in contact with liquids. Do not drop, throw, impact or shake the product.
- 6.4. It is recommended to keep the USB Weather Resistance Silicon Plugs installed on the Solpro Helios Smart when the ports are not in use.

- 6.5. Do not operate the product if it has been subjected to shock or damage.
- 6.6. Do not solder, crush, disassemble or puncture the product.
- 6.7. Do not bend the solar panels.
- 6.8. Recharge the product every 3 months when not in use. Use a soft cloth to clean the exterior. Do not use harsh chemicals or strong cleaning solvents.
- 6.9. Improper use of the Solpro Helios Smart will void the warranty.

## 7. PACKAGE CONTENTS

- Solpro Helios Smart Unit
- USB to Micro-USB Charging Cable
- Solpro Helios Smart User Manual
- USB Weather Resistant Silicone Plugs x 4
- Micro-USB Weather Resistant Silicone Plugs x 2

## 8. WARRANTY

Solpro Helios Smart includes a 12 month manufacturer's warranty. Warranty is void if the device is opened by unauthorized personnel.

# HELIOS

smart

## USER MANUAL

Thank you for purchasing Solpro Helios Smart. Please read this user manual carefully and follow all instructions thoroughly before using this product.

NOTICE: For best results, charge full before use.



## 1. CHARGING SOLPRO HELIOS SMART

There are two primary methods to charge the Solpro Helios Smart:

### 1.1. USB:

Connect the provided USB cable into any standard USB 5V power supply and plug the Micro-USB end into the Micro-USB port (D) of the Solpro Helios Smart.

After connected, the blue LED indicators will light up showing that the Solpro Helios Smart is being charged:

- First blue LED flashing: battery between 1%-25%
- Second blue LED flashing: battery between 26%-50%
- Third blue LED flashing: battery between 51%-75%
- Forth blue LED flashing: battery between 76%-99%
- When the Solpro Helios Smart is finished charging (100%), all four blue LED indicators will remain lit for as long as the power supply is connected.

### 1.2. Solar:

Open the Solpro Helios Smart so that the solar panels are receiving sunlight. The orange solar charge LED indicator (E) will be ON when sufficient solar energy is being received to charge the Solpro Helios Smart internal battery. Battery charge level indicator LEDs (G) will only show battery level during solar charging when the Indicator button (F) is pressed.

**Check Battery Charge Level:** To check the battery charge status when not USB charging the Solpro Helios Smart, press the Indicator button (F). The blue LED indicators will light indicating battery charge level. The blue LEDs will turn off automatically after a moment.

## 2. CHARGING YOUR DEVICES



### WARNING:

Use Solpro Helios Smart to charge only standard 5V USB devices.

- 2.1. Insert the USB charging cable into either the 1.0A or 2.1A USB output port of Solpro Helios Smart and the opposite end into your device.
- 2.2. The blue LED indicator(s) will turn ON automatically when the Solpro Helios Smart is being used to charge your device, and off again after a moment. The number of lights lit indicates the battery charge level.

## 3. SPECIAL FEATURES

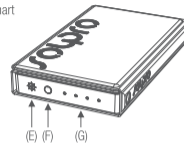
**Patent-Pending Smart-Charging:** After connecting any 5V power supply, connect your devices to either or both of the 1.0A or 2.1A output ports, the Solpro Helios Smart will prioritize direct charging your devices before charging itself.

## 4. TECHNICAL SPECIFICATIONS

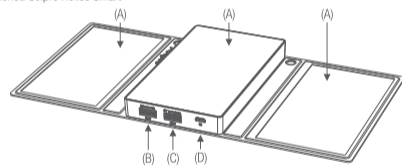
Battery Cell:	Lithium-Polymer
Power Capacity:	5000mAh equivalent (18.5Wh)
Solar Panel:	High Efficiency Mono-Crystalline
Rated Input:	USB 5.0V / 1.5A (Min Input 0.2A)
Rated Outputs:	USB 5.0V / 1.0A and 5.0V / 2.1A Max
Dimensions:	5.12 x 3.15 x 0.79 In (130 x 78.5 x 20 mm)
Weight:	0.63 lb (286g)

## 5. PART IDENTIFICATION

Closed Solpro Helios Smart



Opened Solpro Helios Smart



- (A). High Efficiency Mono-Crystalline solar panels
- (B). 5V / 1.0A USB Output Port
- (C). 5V / 2.1A USB Output Port
- (D). 5V / 1.5A Micro-USB Input Port
- (E). Solar Charge Indicator LED
- (F). Battery Charge Level Indicator Button
- (G). Battery Charge level indicator LEDs