



## Portable Solar Charger S2902 User Manual

(Version 1.0)

aigo S2902

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### Important Notice

Congratulations on purchasing your aigo Portable Solar Charger S2902. Please read this user manual carefully before using your aigo product.

### Warranty Registration

Register your aigo product online to enjoy warranty, member's perks and more, please visit [www.aigo.com.sg](http://www.aigo.com.sg)

### Need Help Fast?

Read your User Manual first for quick tips. After you have read the instructions and still need assistance, you may access our online help at [www.aigo.com.sg](http://www.aigo.com.sg) or call +65 6333 6388 with your product's model and serial number.

### Obtaining Warranty Service

Please review the User's Manual troubleshooting resources and online help resources before seeking warranty service. If the product is still not functioning properly after making use of these resources, access the online website: [www.aigo.com.sg](http://www.aigo.com.sg) for instructions on how to obtain warranty service.

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### Safety Instructions

- Do not expose to extreme temperatures.
- Do not allow any liquid form into the device.
- Do not apply or subject the product to excessive pressure.
- Do not try to disassemble and repair the device yourself.
- Do not expose device to chemicals such as benzene or thinner.
- Do not store device in dusty or damp area.

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**Before Using the Player**

**Product Introduction**

aigo Portable Solar Charger S2902 (S2902) is a portable battery power kit based on intellectual voltage regulation proprietary technology. The solar charger can distinguish output voltage and current on different requirements automatically.

S2902 can charge most of mobile phones and \*USB interface digital products with operating voltage between 4.5V - 9V directly. The device is portable, environmental-friendly, lightweight, durable and versatile for traveling use.

**Note:** \*USB interface digital products refer to digital products that are equipped with built-in rechargeable battery and can be recharged via USB interface.

**Package Contents**

- aigo Portable Solar Charger S2902
- 100V - 240V Power Adapter (optional)
- Extension USB Cable
- User Manual
- 7 Sets of Charging Connectors (optional)



**Technical Specifications**

Voltage is adjustable between 5V-9V  
 High storage capacity 2500mAh  
 USB output, connect the USB cable to charge external device  
 Wide range of charging connections to charge a variety of devices

**Polycrystalline Silicon Solar Panel:**

- Peak power supplied by photocell: 1.54W
- Operating voltage: 5.5V (max)
- Charging current: 280mA (max) / 3.8V

**Solar Charger:**

- Battery capacity: 2500mAh / 3.8V
- Output voltage: 4.5V-9V (adjustable)
- Output current: 1A (max)
- Output power: 4W (max) Dimensions: 137 x 79 x 24 (mm)
- Weight: 240 (g)

## Product Features

1. High transforming rate when converting light energy into electrical energy.
2. Professional built-in circuit to prevent over-discharge, over-charge, over-current and heat reduction when charging the built-in battery by power adapter or sunlight.
3. Double short-circuit protection.
4. 3-Color LED Indicator.

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## The 3-Color LED Indicator

A: When charging the built-in battery:

Red light: Low voltage < 3.8V.

Orange light: Mid voltage between 3.8V - 4.1V.

Green light: High voltage, fully charged.

**Remarks:** It is normal to see LED indicator flashing in Red, Orange and Green color during the charging process.

B: When discharging the built-in battery:

Red light: Low voltage < 3.5V.

Orange light: Mid voltage between 3.5V - 4.1V.

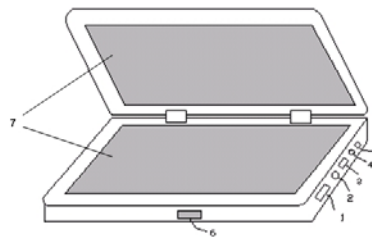
Green light: High voltage between 4.1V - 4.2V.

### Remarks:

1. When Control Switch is turned ON and is NOT charging any external device, the LED indicator turns RED indicates that the power is low and it requires charging immediately (using direct sunlight or power adapter).
2. When Control Switch is turned ON and while charging an external device, LED indicator will flash in Red, Orange and Green color.
3. When Control Switch is turned ON and there is no LED indicator, it indicates that the power is low and it requires charging immediately (using direct sunlight or power adapter).

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## Product Overviews



Product Material: Fireproof plastic (ABS)

1—USB Interface (Output Interface)

2—LED Light (Torchlight function)

3—Control Switch (ON / OFF / LED)

4—3-Color LED Indicator (Intelligent LED Indicator)

5—DC Interface (Input Interface)

6—Output Voltage Switch (adjustable 4.5V / 5V / 6.3V / 9V)

7—Polycrystalline Silicon Solar Panel

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## Using aigo Portable Solar Charger S2902

### IMPORTANT:

To stabilize the built-in battery on the solar charger, we would recommend the following:

1. Use up the remaining power on the new solar charger until the built-in battery is totally flat (*Example: Connect it to a mobile phone and starts charging*).
2. When the built-in battery has finally gone flat, starts charging the new solar charger for at least 12 hours using the power adapter (*repeat this process for the very first 3 times when using the new solar charger*).

Under direct sunlight, the product transforms light energy absorbed by solar panel into electric energy and through the control circuit to store electric energy in the built-in battery, or directly charge cell phone or other digital products with the electric energy (It depends upon the sunlight intensity. If the electronic mobile equipments need high current, may cause no charging to external electronic products). During the absence of sunlight, the product can be charged with the bundled power adapter, and it also can charge other devices at the same time.

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**1). Charging under direct sunlight**

a. Open the cover on the solar charger and keep solar panels upright facing direct sunlight.

b. Turn Control Switch to OFF position.

Note: When the 3-Color Indicator turns Red color, it indicates that the built-in lithium battery is being charged and voltage is under 3.8V;

if the light turns Orange color, the storage capacity is larger and the voltage is between 3.8V - 4.1V;

if the light becomes Green color, it means the built-in battery is full.

When the cover on the solar charger is closed, the 3-Color Indicator is OFF and the solar panel stops working.

**2). Charging using power adapter**

a. Connect the cable of the power adapter to the DC interface on the solar charge.

b. The 3-Color Indicator will turn Red color. The 3-Color Indicator will flash in Red, Orange and Green color.

c. When the 3-Color Indicator turns Green color, it indicates that the internal built-in battery is fully charged.

**3). Charge an external portable digital device**

a. Set the Output Voltage to the most suitable voltage level according to your electronic equipments charging voltage.

b. Select the correct charging connector which is suitable for the electronic equipments and connect the electronic equipment to the charging connector and solar charger (through the USB cable).

c. Switch the Control Switch to ON and 3-Color Indicator turns Red (the LED indicator will flash in Red and Green color) to indicate charging is in progress.

d. When the battery indicator on the external electronic mobile equipment indicates fully charged, please switch Control Switch on the solar charger to OFF and disconnect the power adapter (Please change setting to 6.3V for Nokia mobile phones if it is not charging).

**Note:**

1. Before using the solar charger, please charge it for more than 12 hours using power adapter for the first three times (see page 11).

2. When LED indicator flashes in Red and Green color, it means that the sunlight intensity is low. However, we may also charge using the power adapter.

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