



The Most Durable and Reliable Solar Chargers on the planet!



sCharger-5 1000mA



SCharger-8 1700mA



sCharger-14 2800mA

**Designed
Assembled
Supported**



in the USA

Introduction

Suntactics sCharger solar chargers are capable of solar charging USB rechargeable devices directly from the sun without internal batteries. With proper use and care, your sCharger will provide many years of service.

Getting Started

Unfold the sCharger and place it in the sun with solar cells facing up. The box on the back has a female USB connector and LED indicator. The indicator should light up when the solar panel sees light. It will light up even in the slightest sunlight. **In order to get maximum power, the panel should be in full sunlight.** Simply plug your USB device into the USB socket using your existing USB charge cable and start solar charging!

Do's

- Solar charge when the sun is out
- Use a good charge cable
- Keep phone cool. Place the phone in shade
- Tell everyone about Suntactics solar chargers!

Don't's

- Don't solar charge phones walking under trees. Use a power bank
- Don't place phone under solar panel. Too much heat
- Avoid shading panel when connecting a phone
- Don't expect good solar energy behind windows

Auto-Retry (Auto-Recovery)

All three Suntactics includes Auto-Retry. The S8 and S14 includes a manual solid power port.

What auto-retry does is reset the charge connection between the phone and the solar charger periodically every minute or so. It virtually disconnects the phone and reconnects it so you don't have to.

Auto retry is most effective only if the solar charger is stationary. It is not effective if you are mobile or walking around under trees and shadows.

With solar, there will be power fluctuations. Some phones will give up charging if there is a power fluctuation and will not restart even if the power comes back. Auto-retry will attempt to reset the connection so the phone continues to charge. Example: The solar panel is stationary and facing the sun and then a cloud or person blocks sun on the panel. When the sun reappears, the phone may not continue to charge. After a minute or so the auto retry will reset the connection and the phone will continue to charge. You will hear the phone beep which is normal.

Take note, if you expect no sun for a long while (i.e. complete overcast) stop solar charging and try again when the sun is out.

The Manual Port (S8 and S14 solar chargers)

The manual port is a solid source of power. It will not do a retry if the sun is interrupted. So, when using the manual port and you suspect intermittent shadows, your phone may stop charging and not restart. The manual port, however, can be useful for non-display devices such as USB batteries and other devices that do not have screens. We found that offering the two options, both manual and auto-retry, provides much flexibility with different portable USB devices. Once you start solar experimenting, you will most likely be very happy with this flexibility.

Mounting to a Backpack

Avoid moving constantly under shadows and trees. Smartphones require constant energy to charge. When the solar charger is not providing enough power, the phone can get confused, cause the screen to toggle on and off and may drain the battery. ***We recommend that the solar charger is in the sun at least 80% of the time when moving.***

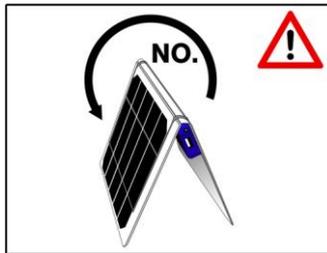
We highly recommend “opportunity charging” versus backpack mounting. Example: Solar charge when you take a rest. sChargers are very powerful when the sun shines on them. You should be quite surprised how quickly your phone will top off in such a short amount of time.

Use a backup battery

USB power bank batteries are less finicky than phones. They can charge at lower solar power levels. However, if you are mostly in shade conditions, it will take time to charge.

Cleaning and Caring for your sCharger

Suntactics sChargers are very rugged and can handle a lot of abuse. We just ask to take care and not fold the panel backwards stressing the USB box and hinge. Fold with the panel in the natural direction where the solar cells meet.



If you find dust on the panels, you can simply wipe them off using a soft cloth with a non-abrasive spray cleaner or just clean water.

Water Resistance

sChargers are very water resistant. If your charger falls in water, shake the water out of the USB box. If condensation collects in the USB box, place the sCharger with USB port is facing up. Eventually it will dry. You can also use a hair dryer to dry.

Common Solar Charging Problems

- Solar panels in do not produce power unless they see the sun
- Avoid shade while plugging into solar charger
- Keep phone cool. Place in shade while solar charging
- Don't place the phone under the solar charger. The heat from the panel can transfer to it
- Efficient windows block sunlight. The S8 and S14 may work behind glass in good conditions
- Phone error messages are caused by solar interruptions. No harm will incur
- Observe charge indicator on phone, charge indication shows when charge is working
- Phone may discharge in low light conditions
- Beeping sounds are normal. Auto-Retry port does this
- If phone battery is depleted, it may take some time to come alive with solar

Charge Rates

There are very many variables and many USB type devices. We like to say that our solar chargers can charge the same rate as the wall charger. But it depends on the brightness of the sun. For the most part, the typical phone should charge very close to what a wall charger can do.

Specifications

| Item | S5 | S8 | S14 |
|---------------------------------|--|--------------------------------|-------------------------------|
| Connector Type | USB Type "A" | USB Type "A" (two ports) | USB Type "A" (two ports) |
| Output Voltage (USB) | 5.0 Volts | | |
| Output Current (USB) | 1.1A (1100mA) | 1.7A (1700mA) | 2.8A 2800mA |
| Output Power | 6 watts | 8 Watts | 14 Watts |
| Temperature | Optimum <110F Max 160F/ 71C | | |
| Indicator | Bright LEDs | | |
| Dimensions (open) | 6-1/8" x 11.5" / 15.5 x 29.2 cm | 7.75" x 14.5" (19.6cm x 36cm) | 11.5" x 14.5" (29cm x 36.5cm) |
| Dimensions (closed) | 6-1/8" x 5-3/4" / 15.5 x 14.6 cm | 7.75" x 7.25"(19.6cm x 18.4cm) | 11.75" x 7.25" (30cm x 18cm) |
| Weight | ~7 oz / 200g | 13oz / 395g | 20oz/566g |
| Weather and corrosion resistant | Water resistant tested to 40 feet. Salt and corrosion tested. IP7 rated. | | |

Limited Warranty

Warranty Period

The warranty period for SUNTACTICS portable solar chargers (whether purchased from the website or any authorized dealers such as; Amazon, Ebay or certified distribution channels listed on the dealers page) is five (5) years limited from the date of January 1st, 2014 (01/01/2014), all purchases before January 1st, 2014 are guaranteed only two (2) years of warranty from the date of purchase. A full 2 year warranty is guaranteed for any solar charger from the date of purchase (proof of purchase required), however to receive a 5 year warranty the consumer must fill out the warranty registration form within 30-days from the date of purchase, after 30-days registration for a 5-year warranty becomes invalid and will only be guaranteed two (2) years of warranty from the date of purchase.

Limited 5-Year Warranty

The 5 year warranty is limited. Coverage of replacement is 75% of the original cost at 3 years, 50% of the original cost at 4 years and 25% of the original cost at 5 years. For example if you spent \$100 for a solar charger and you are within the 2-3 year timeframe, Suntactics will cover 75% of the original purchase price(or \$75), 3-4 year 50% and 4-5 year 25%.

Exclusions

SUNTACTICS' warranties do not apply to a product that is abused, misused, modified, physically damaged, or used for anything other than normal use as noted in a SUNTACTICS product manual.

Warranty Limited to Original Purchaser

The warranty on SUNTACTICS' products is limited to the original buyer/consumer/purchaser and is non-transferable. Original proof of purchase must be under the name of the consumer who requests a warranty replacement.

How to Receive 5-Year Warranty

To obtain the 5-year warranty, the consumer must either (i) sign registration form card or register online: www.suntactics.com/warranty-registration/ (ii) call customer service: 888-308-4786, (iii) or email info@suntactics.com within 30-days from the date of purchase to receive the 5-year warranty. Consumer must have original proof of purchase / order number from Amazon, Ebay, or Suntactics.com. The consumer will receive a PDF document via e-mail a 5-year warranty receipt that is proof of registry of a SUNTACTICS portable solar product.

How to Claim a Warranty

To claim a standard warranty, the consumer must contact customer service via telephone: 888-308-4786, or via email at info@suntactics.com, for 5 year warranty applicants they will be asked for an order number, once approved they will be then asked to send to the following address:

Suntactics ATTN: EXCHANGE DEPT.
1430 Koll Circle Ste. 107
San Jose, CA, 95112

Note: Do not send unless you have called and requested, and approved by SUNTACTICS.

Note: We may ask for an additional fee for shipping and handling.

Warranty Registration

REGISTER FOR A 5-YEAR WARRANTY

All Suntactics products come with a default 2-year limited warranty (from date of purchase), but in order to secure an extended 5-year limited warranty, you must fill out this online form:

go to: suntactics.com/warranty-registration/

Fill out all requested details, and if anything happens to your Suntactics solar product within 5-years from the date of purchase, send it back to us, and we will send you a brand new one. Make sure to read the Terms and Conditions carefully before requesting an exchange.

Liability Statement

SUNTACTICS solar chargers have been designed to perform flawlessly. They are very safe, inert, and have been designed to perform much like a wall charger. SUNTACTICS is not liable for damages to the receiving charge device or Suntactics product incurred from mal use, reverse connections, damage incurred from using testing equipment, unauthorized modifications or damages incurred to the receiving charge device in the unlikely event the receiving charge device overheated from the sun. SUNTACTICS is not obligated to repay the consumer for the price of the Suntactics product, however, Suntactics will exchange the charger upon inspection and evaluation of the incident.

Website and Videos

Informational videos: www.suntactics.com/videos

Support, manual updates and FAQs: www.suntactics.com/support



www.suntactics.com

1430 Koll Circle, suite 107
San Jose CA, 95112

1-888-308-4786