

SolStar I-10 Foldable Solar Charger Data Sheet



The I-10 uses solar power to charge the batteries on the Iridium 9500/9505/9505A/9555/9575, Isatphone Pro, Globalstar, and Thuraya satellite phones. In optimal sunlight, charge times are similar to AC Charger. Ideal for rugged conditions, the charger is waterproof, UV resistant and weatherproof.

SolStar Energy is proud to be the market leader in providing portable solar chargers for satellite communication devices. SolStar panels are the only panels with SolarRad™. SolarRad is SolStar's unique process that guarantees the most advanced solar cell technology is available. The SolarRad process ensures that we match specific advanced solar technology with our customers' specific devices to optimize performance. SolarRad represents such advancements as thin film solar cells and high efficiency solar cells.

Description

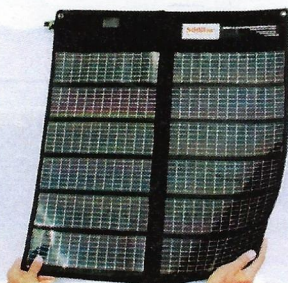
The SolStar I-10 Foldable Solar Charger provides 10-Watt power. This solar charger is lightweight and can easily be stowed to fit in your pocket. This product is ideal for Iridium satellite phone users who require lightweight portable power.

Important Notes

Please read the following information and instructions prior to using your SolStar I-10 Foldable Charger.

Although SolStar maybe used to power other electronic devices, the SolStar I-10 has been optimized to power Iridium satellite phones. Other electronic devices may be charged at consumer's own risk.

**ALWAYS FOLD THE PRODUCT WITH THE SOLAR
PANEL PHOTOVOLTAIC SIDE FACING OUT!**



Dimensions and Weight

Folded: 10.5" (267mm) x 3.5" (89mm) x 1.3" (33mm)
Unfolded: 23.7" (602mm) x 21" (533mm)
Weight: 0.73 lb (0.33kg)

Electrical & Thermal Specifications

Electrical Characteristics

Typical Current (milliamps) at STC * 600
Nominal Operating Voltage 15.4V CLA**
Typical Power (Watts) at STC* 10
Power (Watts) 10

*Data at Standard Test Conditions (STC)

STC: Irradiance level 1,000W / m², spectrum AM 1.5 and cell temperature 25°C

FAQs

If I have a problem with this product, whom do I contact?

First, contact the company that sold you the product. Additional information is available at www.solstarenergy.com.

How do I know if it is working?

Your Iridium phone will indicate that charging is occurring.

Will this product drain my battery at night?

No. It has a reverse diode in the module to prevent battery discharge.

Can I leave it outside permanently?

No. Although the SolStar I-10 Foldable Charger is weather resistant, it was not designed for continuous outdoor usage. Once your application is finished charging, wipe the product with a clean, dry cloth and allow the product to dry before folding for storage.

What if the product gets wet?

No problem, just wipe it off and continue using it.

Can I leave it outside in freezing temperature?

Yes. The SolStar I-10 can operate at temperatures down to -40°.

Can I use an extension cord?

You can purchase the 15ft. extension cord accessory (EXT-15). Total cord length greater than 30 feet likely will result in reduced power output.

How do I clean the product?

Use a damp cloth with a mild soap solution.


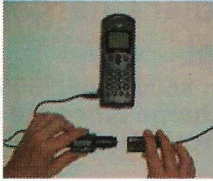
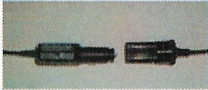
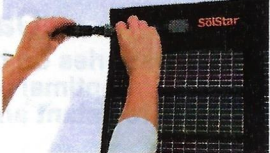

Where can I get more product information?

Contact the company that sold you the product. Additional information can be found online at www.solstarenergy.com.


I-10 Quick Connect Guide

IRIDIUM





Connect the SolStar I-10 Solar Charger to any Iridium Satellite Phone

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|  <p>Connect Cigarette lighter adapter (CLA) to Iridium phone.</p> |  <p>Connect Iridium male CLA to SolStar I-10 female adapter.</p>  <p>Close up view</p> |  <p>Connect female adapter to SolStar I-10 Solar Charger.</p> |  <p>Orient SolStar I-10 charger directly towards sun for optimal charging.</p> |
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Special Instructions for using the SolStar I-10 with any Iridium Satellite Phone

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| <p>As with all solar charging systems using a 12-volt (cigarette lighter) adapter:</p> <ul style="list-style-type: none"> Charger works best in cloudless conditions and full sun. Make sure that charger fully faces the sun. In ideal conditions, charging time is consistent with power outlet. (3 bars on the battery icon). | <ul style="list-style-type: none"> It is best to monitor charging status from time to time (in case of clouds, low light conditions, or shade). Otherwise, phone may display the "Fast Charge Complete" message prematurely. If the "Fast Charge Complete" message is displayed prematurely, the phone should be reset. * | <ul style="list-style-type: none"> It is best to let the phone charge for 5 minutes before attempting to place a call.  <p>Iridium phone display showing 3 bars on the battery icon and "Fast Charger Complete" message.</p> | <p>* RESET INSTRUCTIONS: Disconnect, then reconnect cigarette lighter adapter from base of phone. Wait for full sun.</p> |
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Folding Instructions for the SolStar I-10 Solar Charger

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|  <p>Fold the charger down the centerline, active solar cells to the inside.</p> |  <p>Orient so the solar panel cord out of the junction box is on the "up" side.</p> |  <p>Starting at the end away from the cable, fold the charger along its hinge-folds.</p> |  <p>When both the hook and loop sides of the Velcro are lined up, press them together to secure the folded unit.</p> |
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SolStar Accessories

- **FA-1T 12 Volt Female Adapter**
Connects Iridium Auto Accessory Adaptor to Foldable SolStar I-10
- **AUTO 401 Cigarette Lighter Adapter (CLA)**
Iridium CLA for 9505A Iridium satellite phone
- **SYN0039B Cigarette Lighter Adapter (CLA)**
Iridium CLA for 9500/9505 Iridium satellite phone
- **EXT-15 Extension cord**
15FT. Extension cord

SolStar® Limited Warranty

This SolStar® I-10 Folding Solar Power Panel carries a one- (1-) year limited warranty against defects in workmanship and materials affecting performance. SolStar agrees to replace the defective product free of charge, within the stated warranty period, when returned by the original purchaser with proof of purchase. This product is not guaranteed against wear or breakage due to misuse and/or abuse. In addition, any units that show signs of creasing or folding on the active photovoltaic areas are not covered under this warranty.