

Warning

1. Avoid extreme temperatures.
2. Keep the fold-up solar charger away from fire to ensure damage and injury do not occur.
3. Any severe shock or impact may result in damage and will invalidate the warranty.
4. It is forbidden to dismantle the fold-up solar charger except by Solar Technology personnel or agents appointed by Solar Technology. Any sign of tampering will result in the warranty being invalidated.

Care and maintenance

The fold-up solar charger is designed for outside use. However, the cloth housing the solar cells is not fully water resistant (they are water repellent). This means after heavy rain the cloth may become sodden. This will not damage the solar cells, or affect the performance of the panels, but the product should be dried out as soon as possible and before continued use or, storage. Failure to do this may cause the stitching in the cloth to rot and will invalidate the warranty.

In addition, the electrical connectors must be protected from exposure to the weather.

Warranty

The 24W USB fold-up solar charger is supplied with a 1-year warranty from the date of purchase from Solar Technology International. This guarantees the panel from mechanical failure during this period.

The warranty is void if the outer layers or edges of the panel have been penetrated, damaged or cracked or if the recommended handling, storage, installation and care procedures have not been followed. The warranty is also invalidated if the panel has been abused, or not used for the purpose intended.

Neither the manufacturer nor any of its employees, agents, distributors or resellers are liable for any third-party damage howsoever caused. The extent to which the manufacturer is liable to a customer is limited to the purchase price paid by the customer for the product from Solar Technology International. We will not accept any costs associated with the return of faulty products. Your statutory rights are not affected.

Solar Technology International Ltd

If you have any questions about this product or regarding these instructions, please contact the Solar Technology International Technical Helpline on +44 (0) 1684 774000, or email us at support@solartechnology.co.uk or alternatively, please write to: Solar Technology International Ltd, Unit 6, Station Drive, Bredon GL20 7HH.



PV Logic®
Fold-up

User manual

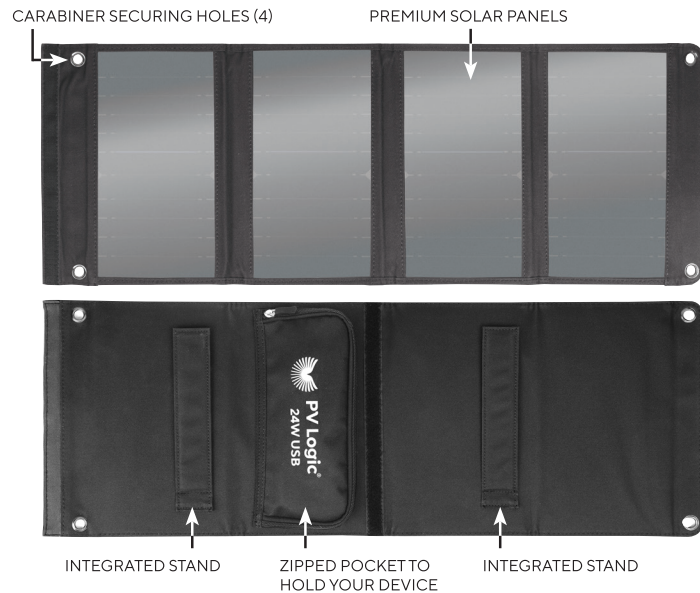


24W USB Portable Fold-Up Solar Charger

Model: STFFP24

Congratulations on selecting this high-quality USB solar charger, used in the correct way it will deliver many years of trouble-free operation.





SPECIFICATIONS

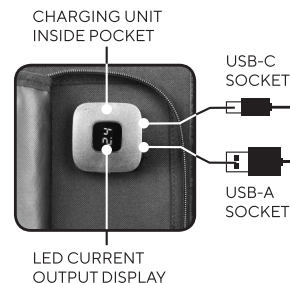
Model	24W USB Fold-Up Solar Charger
Solar panel	24W Monocrystalline ETFE (4x 6W panels)
Voltage at max power (Vmp)	6V
Open circuit voltage (Voc)	7.2V
Current at max power (Imp)	4A
Short circuit current (Isc)	4.2A
Efficiency	Up to 23.4%
Operating temperature	-10 ~ +65°C (optimum 25°C)
Power tolerance	+/- 5%
USB outputs	1x USB-A 5V / 2.4A max
	1x USB-C 5V / 2.4A max
Unfolded size	700 x 270 x 4mm
Folded size	270 x 155 x 16mm
IP rating	IPX4 (splashes of water or light rain)
Weight	620g

Instructions for use

To charge your mobile device or power bank from the solar charger, carefully open the panel by releasing the hook-and-loop fastener under the purple stripe and unfolding the panel.

Open the zipped pouch and locate the charging module. Gently remove the retained protective rubber plug from either the USB-A or USB-C port and connect your device to the appropriate port.

There is a USB-A to USB-C cable supplied with the solar charger for the most popular mobile device connection in case you don't have a cable to hand.



Many mobile devices and smaller power banks will fit inside the zipped pouch, so can be placed inside whilst charging if you prefer.

To get the best out of your new solar charger, position it in direct sunlight facing the sun as below:

ON A FLAT SURFACE

Open the legs on the rear which are held in place by hook-and-loop fasteners so that the panel stands up.



HANGING UP

Use the two carabiners supplied to hang it from your backpack, tent or similar.

That's all you need to do to charge your device.

Frequently Asked Questions (FAQ)

- Can I charge my phone from the USB ports?**
 - Yes. It has 1x USB-A and 1x USB-C output and can provide up to 2.4A (at 5V) from either port when the solar panel is in direct sunlight.
- Does it have a battery bank inside so I can charge my phone at night?**
 - No, there is no battery inside. This is a portable solar panel, so it needs sunshine to provide you with power.
- Can I charge a USB battery bank from this?**
 - Yes. How long it will take to charge will depend on the capacity of your battery bank, but there is up to 2.4A available from either of the ports when the solar panel is in direct sunlight.
- Will it still work in the shade?**
 - Yes, it will still work if the panel is in the shade, but it won't be as powerful. Solar panels work best in direct sunlight, so keep the panel in the sun whenever you can.
- Can I use both USB ports at the same time?**
 - Yes, you can, but the total output will be limited to a maximum of 4A.
- What are the numbers on the display for and what do they mean?**
 - The display shows the amount of power being drawn in Amps from the USB ports once the solar panels are exposed to sunlight.
- Can I take it camping with me?**
 - Of course! The whole idea of a fold-up panel is that you can take it with you, so you have power where you are.
- Is it waterproof?**
 - It is IPX4 rated so can cope with light rain, but we would recommend it is allowed to dry fully before being folded up and put away.
- Can I hang it on my backpack while I'm out walking?**
 - Absolutely! Plug your device into the USB port and secure it inside the zipped pouch, then use the carabiner mountings to attach the solar panel to your backpack. If you can, use all 4 mounting points so the panel doesn't move around as you walk.
- Does it come with a stand?**
 - Yes. It can be used free-standing as there are two legs on the rear of the panel to allow it to be angled directly towards the sun. They are held in place with hook-and-loop fasteners, so can easily be deployed as and when required.
- Do I have to unfold it completely to use it?**
 - Whilst it will produce some power if it is only partially unfolded, to get the best use out of the panel it should be used fully open.
- Will I damage the panel if I sit on it?**
 - The panel is reasonably robust and designed to cope with everyday usage, but it is not intended to withstand weight being applied to it. Standing or sitting on the panel will cause damage that is not covered by the warranty, so we recommend folding the panel up and putting it away when not in use.