

### Joining multiple fold-up solar panel systems

It is possible to join two fold-up solar panels together (to double the power) using a 2 to 1 Y cable accessory go to - [www.solartechtechnology.co.uk/category/solar-panels/solar-panel-accessories/1/](http://www.solartechtechnology.co.uk/category/solar-panels/solar-panel-accessories/1/)

### Care and maintenance

The fold-up solar panel 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.

### Warranty

This fold-up solar panel is supplied with a 2-year warranty against product defect.

In the event of a warranty claim please contact **Solar Technology International Ltd, Unit 6 Station Drive, Bredon, Gloucestershire GL20 7HH UK**  
**Tel (44) 01684 774000**  
**Email [support@solartechtechnology.co.uk](mailto:support@solartechtechnology.co.uk)**

All warranty claims will be fully repaired or replaced at our expense including the cost of return postage but the cost to ship the faulty item to us must be borne by the customer. All warranty work can only be completed with a valid proof of purchase.

This warranty is transferable to new future owners but only when the original proof of purchase can be provided.



### We want your photos and videos!

Here is your chance for you and your portable Fold-Up solar panel to be a star! Just send in pics or videos of you and your Fold-Up in a great location and if selected we will not only give you ever lasting recognition on our online favourite users wall of fame but we will send you a Lumi 5V USB / Battery Powered Lantern worth £20 completely **FREE!!**

Please send to [hello@solartechtechnology.co.uk](mailto:hello@solartechtechnology.co.uk) including your address details and best of luck!

**Note** - we cannot guarantee to publish every entry and only those selected by our marketing department for publication will be awarded a Lumi. By providing your images you automatically grant us the right to use these images or videos howsoever we see fit.



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**Solar Technology International**  
Without boundaries

# PV Logic®

## Fold-up

## User manual



## Portable Fold-Up solar panel

40wp/60wp/90wp/120wp/200wp

Important: please read before first use.

**Technical helpline 01684 774 000**

STFFP60 fold-up solar panel shown



## Specifications

Part Number	Weight (Kg)	Size closed (mm)
STTFFP40	2.20	410 x 360 x 40
STTFFP60	2.47	530 x 360 x 40
STTFFP90	3.45	540 x 525 x 40
STTFFP120	4.03	520 x 445 x 40
STTFFP200	8.90	620 x 390 x 30

## Contents

### STFFP40

40wp fold-up solar panel with integrated stand and 2900mm cable (A)  
 10A in-line charge controller and 320mm cable (B)  
 Crocodile clips and 500mm cable (C)  
 12v Auto plug and 410mm cable (D)  
 Instruction manual

### STFFP60

60wp fold-up solar panel with integrated stand and 2900mm cable (A)  
 10A in-line charge controller and 320mm cable (B)  
 Crocodile clips and 500mm cable (C)  
 12v Auto plug and 410mm cable (D)  
 Instruction manual

### STFFP90

90wp fold-up solar panel with integrated stand and 2900mm cable (A)  
 10A in-line charge controller and 320mm cable (B)  
 Crocodile clips and 500mm cable (C)  
 12v Auto plug and 410mm cable (D)  
 Instruction manual

### STFFP120

120wp fold-up solar panel with integrated stand and 2900mm cable (A)  
 10A in-line charge controller and 320mm cable (B)  
 Crocodile clips and 500mm cable (C)  
 12v Auto plug and 410mm cable (D)  
 Instruction manual

### STFFP200

200wp fold-up solar panel with integrated stand and 2900mm cable (A)  
 20A in-line charge controller and 320mm cable (B)  
 Crocodile clips and 500mm cable (C)  
 12v Auto plug and 410mm cable (D)  
 Instruction manual

## Opening and setting up the fold-up solar panel

Open the fold-up solar panel by pulling the velcro tab so the two solar cell faces (3 faces for the 120w version, 5 faces for the 200w version) are revealed. Each solar cell has a stand at the rear which can also be deployed by pulling the it away from the body of the fold-up jacket (held in position by Velcro).

The fold-up solar panel has loops on each corner to aid fixing in position when the panel is secured to the windscreen of a camper with bungee straps (not supplied). There are also eyelet holes on each kick stand to peg into grass or soil (pegs not included).



## Charge controller

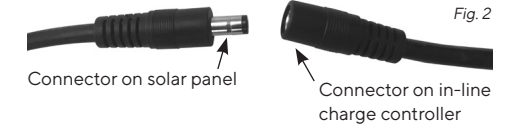
The in-line charge controller is fully water resistant so can be positioned in wet grass etc. – but do ensure it is never submerged in liquid.

The purpose of the in-line charge controller is to ensure the fold-up solar panel does not overcharge the battery and to prevent reverse current drain during heavily overcast conditions or at night.

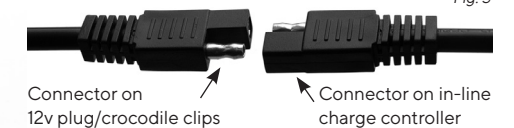
### IN-LINE CHARGE CONTROLLER CABLE



### SOLAR PANEL CONNECTION



### BATTERY CONNECTION



## Connecting the fold-up solar panel to a battery

Connect the cable attached to the fold-up solar panel to the in-line charge controller (Figs. 1 and 2) and run this to a point close to the battery. Now connect using the crocodile clips direct to the battery (Fig. 3) or use the 12v auto plug cable extension into a 12v auto socket. Either extension can be left permanently fixed to a battery or, if preferred, the clips can be removed from the cable and replaced with ring terminals so a more secure battery connection can be formed. Ensure the correct battery polarity is observed. We use DC cable which is colour coded Red for positive (+) and Black for negative (-).

## LED indicators

The LEDs illuminate in different ways and have different meanings as follows:

**20% flashing** – generally this indicates a failed or failing battery – change the battery.

**20% solid and the rest flashing** – shows the battery is lower than 25% fully charged but power is being delivered from the solar panel.

**20% and 40% solid and the rest flashing** – shows the battery is more than 25% but less than 50% fully charged but power is being delivered from the solar panel.

**20%, 40% and 60% solid and the rest flashing** – shows the battery is more than 50% but less than 75% fully charged but power is being delivered from the solar panel.

**20%, 40%, 60% and 80% solid and the 100% flashing** – shows the battery is more than 75% but less than 100% fully charged but power is being delivered from the solar panel.

**All LEDs solid** – shows the battery is 100% fully charged.