

IMPORTANT:

Always disconnect the cable before driving.

When you have finished using the 8W Fold-Up, carefully tuck the cable and chosen connector in its pocket and close the two halves of the panel. You will feel the closure magnets hold the two slides together securely.

If you require further assistance setting up your 8W Fold-Up Solar Battery Maintainer, please contact our support team at support@solartechnology.co.uk

Warning

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

FAQ

- 1. How can the crocodile clip cable be routed from an engine bay into the driver's cabin, where the panel is located?**

You may be able to safely close a bonnet lid and car door on the cable. However, it is vital that the area that will be clamped onto the cable is checked for sharp edges. Once satisfied, it is a good idea to close the bonnet or door once and to reopen again to inspect the cable for any signs of damage. Always check the cable for damage before use.

IMPORTANT: Always disconnect the cable before driving.

- 2. Can I get spare parts for the 8W Fold-Up?**
Spare parts are available via our website solartechnology.co.uk and include crocodile clips and cable, 12V auto plug and cable, and suction cups.

- 3. Can the fold-up solar panel damage my battery by overcharging?**
If the battery is 60Ah or above the panel will not overcharge the battery.

NOTE: If the battery is smaller than 60Ah, you must use the STFP08CCKIT as a charge controller is required.

- 4. Will the panel drain a battery when it's dark?**
No, a built-in reverse feed diode prevents this occurring.

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 (it is 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 8W Fold-Up solar panel is supplied with a two-year panel warranty from the date of purchase from Solar Technology International. This guarantees the panel from mechanical failure during this period.

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. We will not accept any costs associated with the return of faulty product.

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 774 000** or email us at support@solartechnology.co.uk

Alternatively, you can write to us at:

Support, Solar Technology International Ltd,
Unit 6, Station Drive, Bredon
GL20 7HH UK.



Solar Technology International Ltd,
Unit 6, Station Drive, Bredon GL20 7HH

Technical helpline:
01684 774 000

support@solartechnology.co.uk
solartechnology.co.uk



PV Logic[®] Fold-up

User manual



8W-12V
Fold-Up

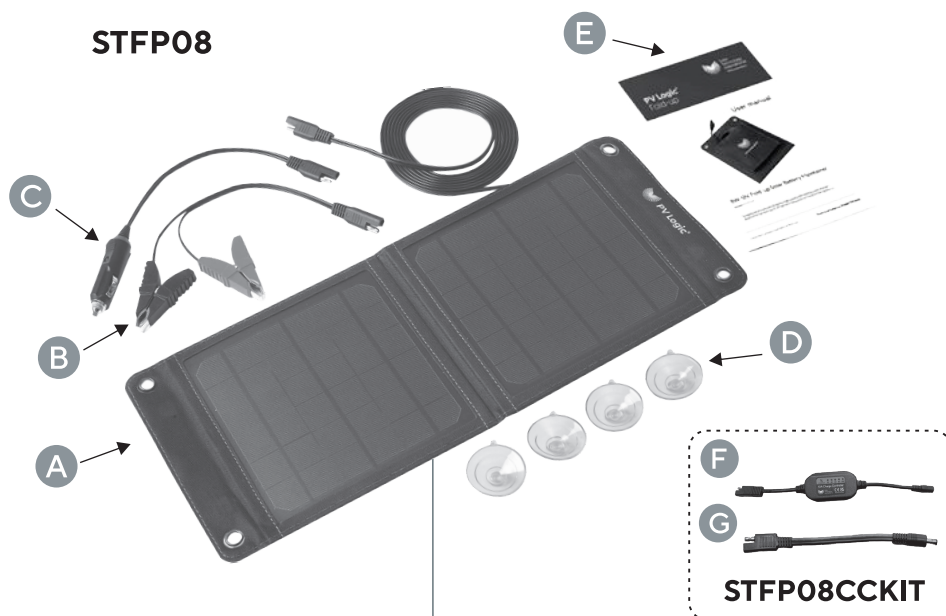
» **Solar Battery
Maintainer**

**Model:
STFP08 +
STFP08CCKIT**

Important: Please read before first use.

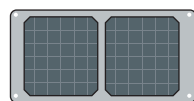
Technical helpline: 01684 774 000

STFP08

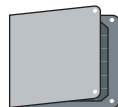


SPECIFICATIONS

Size:



(Open)
470 x 198 x 7.5 mm



(Closed)
230 x 198 x 15 mm

Supplied with STFP08

- A 8W Fold-Up solar panel with 3m cable and cable storage pocket
- B 20cm connection cable with crocodile clips
- C 20cm connection cable with 12V auto plug
- D 4 x rubber suction cups
- E User manual

Supplied with STFP08CCKIT

All the above plus;

- F 10A inline charge controller
- G Adaptor cable



Positioning

This will be determined by the cable length from the panel to the battery. However, wherever possible, position the panel ideally at an angle of 35 to 65 degrees, facing south. The fold-up solar panel will still function if positioned behind glass or Perspex, and even if facing north, although in such circumstances, the power delivery will be reduced.

NOTE: There is no fuse connected to this system, so care must be taken not to pinch, cut or damage the integrity of the supplied cables, as a short circuit may occur.



Protection against battery drain

The 8W Fold-Up solar panel features a built-in blocking diode, preventing battery drain at night. Therefore, the panel can be left attached long term.

NOTE: If the intention is to use the panel with a battery of lower capacity than 60Ah, you must use the STFP08CCKIT as a charge controller is required.



Performance

The fold-up solar panel will deliver current to a 12V battery. It is rated at 8W, which means in ideal conditions, the panel will generate 8 Watts of power per hour. This is a perfect amount of power to maintain the charge, even in winter.

Connection instructions

1. Place the 8W solar battery maintainer on your windscreen or dashboard. You can either rest the panel on the dashboard or fix it to your windscreen (or similar) by using the suction cups. You can also attach the panel by using bungee straps, cable ties, etc. (not supplied).

Ensure the location where you wish to fix the solar panel can reach the battery with the fitted 3.2m cable/connectors. Open the panel so its solar cells face daylight.

For STFP08CCKIT (with charge controller)

2. Connect the adaptor cable (G) to the solar panel.
3. Then connect the other end of the adaptor cable to the charge controller (F).
4. Next, connect the charge controller to either the 12V auto plug (C) or crocodile clips (B).
You can now connect to your battery.

For STFP08 (without charge controller)

5. Once your solar panel is positioned as described in step 1, connect it directly to either the 12V auto plug or the crocodile clips in step 4, as items (F) and (G) are not included with this kit, steps 2 and 3 are not applicable.



If using the 12V auto plug, please note that your 12V auto socket (cigarette lighter socket) may not be active when the ignition is turned off. In this case, you will need to connect to the battery using the crocodile clips.

You can check if the 12V socket is live by inserting the 12V auto plug into the socket with the fold-up panel closed. If it's still live 30 minutes after turning the ignition off and it can accept a charge, the red indicator light on the plug will stay illuminated. If not, you must use the crocodile clips.

To connect the crocodile clips to your battery, connect the positive terminal first, and then the negative terminal. When disconnecting, do the reverse; remove the negative clip first, then the positive.

NOTE: Although the voltage is relatively low, we still recommend handling the plastic insulation around the crocodile clips rather than the exposed metal parts.