

### Operating instructions

**Product Description:** portable solar charger for electronic devices.

**Product Specifications (@ STC\*):**

Specifications	Sunpack 7 W	Sunpack 14 W
Operating Voltage (VDC)	15	15
Operating Current (mA)	450	900
Weight (Kg)	0.70	1.1
Dimensions unrolled (mm)	350 x 900	350 x 1500

\* measured @ Standard Testing Conditions (STC): 1000W/m<sup>2</sup>, AM 1.5, 25°C

**Temperature Operating Range:** -20°C to +60°C

**Disclaimer of Liability**

This user's manual contains safety, installation, performances, maintenance and technical information which you should be familiar with before using your Flexcell solar charger. Please read it carefully!

**Caution**

Photovoltaic modules produce electricity when exposed to light. The voltage from a single module is not considered hazardous, however, if connected in series in order to increase voltage, the shock hazard increases. When working around batteries and other electrical equipment, please observe industry standards and manufacturer's safety procedures.

**"DOs and DON'ts"**

- DO NOT crease or fold the Sunpack. Wrinkles in the solar module are potential short circuit and will impair the performance or destroy the product.
- ONLY handle the Sunpack by the textile parts.
- DO NOT mark or scratch the Sunpack with any sharp object.
- DO NOT attempt to recharge NON-RECHARGEABLE batteries.
- DO NOT sit or stand on the Sunpack.
- DO NOT immerse the Sunpack in water.
- ALWAYS roll the solar panel with the cell side (purple side) facing outwards. Follow the rolling procedure described in this user's manual.
- Make connections in well-ventilated area free from flammable gases or vapours.

**Installation Instructions**

- 1) Select best mounting location. Mount the Sunpack, with the cell side (purple side) oriented to the sun, in a location that will receive good direct sunlight throughout the day. For maximum charging performance, position the product to face noon time sun.
- 2) Use corner grommets to properly tie or fasten the Sunpack if required- the Sunpack must be secured sufficiently to avoid flapping in the wind.
- 3) Plug in your electronic device (mobile phone, PDAs, etc) into the socket designated by the following symbol:



via the cigarette lighter adaptor designated for your electronic device (refer to your electronic device manufacturer). Once connected, protect your electronic device from direct sunlight by putting it into the delivered Sunpack bag!

- 4) If necessary, connect a second Sunpack in parallel via the cigarette lighter male adaptor that you can easily pull out of the socket designated by the following symbol:



**FAQs**

**How do I know which Sunpack's size I need?**

Consult the application chart below.

**Where do I get the cigarette lighter adaptor for my electronic device?**

Consult your electronic device manufacturer.

**Will this product drain my battery at night?**

No. There is a built-in blocking diode to protect against reverse draining of current.

**What if the product gets wet?**

The Sunpack is weatherproof, but it must not remain for an extended period of time in the rain.

**What if the product goes under water?**

Do not immerse the Sunpack in water. It will be damaged.

**How do I clean and maintain it?**

The solar panel requires practically no maintenance. Simply wipe the surface with a damp cloth or with a mild soap solution to clean the panel. Do not use any abrasive cleaner or solvent as this would damage the panel

**Warranty, limitation of liability**

To the fullest extent permitted by law, Flexcell (VHF-Technologies SA, Av. des Sports 26, 1400 Yverdon-les-Bains, Switzerland) makes no warranties express or implied, including, but not limited to any condition, warranty or term as to satisfactory quality or fitness for purpose except the following:

Flexcell grants the original Purchaser of this product a limited three (3) year warranty on the electrical performance of the module and a two (2) years warranty on defects of material and workmanship: we guarantee that this unit will produce a minimum of 70% of its rated electrical performance for a period of three (3) years from the purchase date, and that this product is free of defects in materials and workmanship for a period of two (2) year from the purchase date.

Upon purchase or receipt, Purchaser shall inspect and/or test the quality of the delivered Goods as soon as it is customary in accordance with usual business practice. Purchaser shall notify Seller immediately from the date an alleged failure to conform with the specification(s) is discovered. If Purchaser fails to examine the quality of the Goods or give notice according to this provision, the Goods are deemed to have been accepted and any claim of breach of warranty with respect to such Goods shall be waived.

This warranty does not cover any product, which has been damaged by or acts of God, misuse, neglect or improper installation or application, or negligence in use, storage, transportation or handling, or repair by anyone other than Flexcell.

Operating instructions are communicated to Purchaser together with any purchased Goods.

Flexcell shall not be responsible for any damage to persons or property caused by misuse or improper handling of this product, or for any loss of profit, expense, or other incidental, consequential or special damages arising out of the use of, or inability to use, the product.

The maximum liability to Flexcell under this warranty shall not exceed the purchase price of the product. Products returned under this warranty to Flexcell or an authorized Flexcell distributor, will be either repaired or replaced free of charge, or refunded at purchase price, at the option of Flexcell.

This warranty does not cover any transportation costs for return of module or for reshipment of any repaired or replaced module, or costs associated with installation, removal, reinstallation or adaptation, modification of the original product.

This warranty is only applicable if the returned product is accompanied by the original invoice (purchase date and name of retailer must be indicated). Flexcell will accept no return without prior authorization.

Any other form of warranty given by the retailer is entirely his own responsibility and no person is authorised to change the terms of this warranty of the manufacturer.

**The warrantee does not affect the Purchaser's rights under governing national laws as to consumers' rights.**

**Accessories**

Consult the Flexcell website at [www.flexcell.com](http://www.flexcell.com) to get the latest update on solar accessories.

**Rolling procedure**



**Connections**

- Simply plug in your electronic device via a cigarette lighter adaptor (not included).

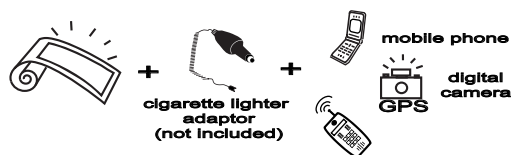


- Connect a second Sunpack in parallel to increase your charging performance!



## sunpack Application Chart

3 years warranty



easy plug



rollable



do not fold



weatherproof



easy parallel connection



battery capacity (mAh) / charging time in hours (@STC*):	600	900	1200	1500	2000
7W 15VDC 450mA	1h20	2h00	2h40	3h20	4h30
2 x 7 W connected in parallel or 1 x 14W ( 15 VDC 900mA )	0h40	1h00	1h20	1h40	2h15