



## FOLDING FLEXIBLE SOLAR PANEL 12V POWER Series

### WARNINGS

- the overall efficiency of this solar panel depends on many factors, such as time of year, position in relation to the sun, cloud cover, weather, shade, cell temperature, etc.
- The voltage output by the solar panel will vary depending on the type of device to which it is connected.
- The solar panel is not designed to generate electricity from artificial light.
- Avoid exposing your device to direct sunlight while it is charging.

### CONTENTS

- Folding flexible solar panel
- female cigarette lighter outlet cable
- USB 5V cigarette lighter adapter

### CAUTION - MAINTENANCE

- the folding solar panel is flexible. Nevertheless, TO FOLD USE ONLY PREDETERMINED FOLDS in the cloth.
- DO NOT FOLD OR BEND on objects with a cutting edge.
- DO NOT machine wash, machine dry or machine clean.
- Use a wet rag to clean the surface of your solar panel
- Make sure that your solar panel is dry before putting it away.
- NEVER ATTEMPT to recharge non-rechargeable batteries.

### BATTERY CHARGE TIMES

Battery charge times are approximate and vary with certain factors such as type of appliance, weather and time of the year.

	Power4	Power8	Power16
Portable telephone (1)(2)(3)	3 hrs	2 hrs	2 hrs
PDA – Smartphone – GPS (1)(2)(3)	4 hrs	3 hrs	2 hrs
MP3/MP4 reader (2)	4 hrs	3 hrs	2 hrs
4 x AA Batteries (3)	6 hrs	4 hrs	2 hrs
4 x AAA Batteries (3)	3 hrs	2 hrs	1 hrs
Games console (1)(2)	4 hrs	3 hrs	2 hrs
Compact Photographic Appliance (2)(3)	4 hrs	3 hrs	2 hrs
Bridge-Reflex Camera (3)	6 hrs	4 hrs	3 hrs
Camcorder (3)	6 hrs	4 hrs	3 hrs
Satellite telephone (1)	-	4 hrs	3 hrs
Laptop (4)	-	8 hrs	4 hrs

### COMPATIBLE WITH :

1. Car cigarette lighter chargers for telephones, PDA, GPS, Smartphone, portable console, etc.
2. USB chargers for telephones, PDA, GPS, Smartphones, MP3/MP4 readers, compact photographic appliances, etc.
3. 12V (AA/AAA, Li-Ion, Ni-MH, Ni-Cd) battery chargers for telephones, photographic appliances, camcorders, etc.
4. The Power8-12W and Power16-25W are compatible with the external batteries required to power a laptop using solar energy.

### Connection with car cigarette lighter charger

Application: Charges/powers most portable electronic equipment such as MP3 readers, mobile telephones, PDA/GPS, photographic appliances and digital camcorders; also compatible with most AA/AAA battery chargers and NI-CD, NI-MH et Li-Ion batteries. You must use a 12V cigarette lighter charger adapted for connecting your appliance to the solar panel.

Use: Turn the solar panel towards the sun. Connect your appliance's 12V car cigarette lighter charger to the female cigarette lighter socket of the solar panel. Consult the above table for average charge and operating times.

### Connection with USB charger

Connect the USB cigarette lighter adapter to the female cigarette lighter cable. You can then use the solar panel to charge any appliance usually recharged on your computer's USB port.

### ADVICE TO USERS

- If you encounter problems in charging the battery of your electronic appliance:
  - switch off your appliance during solar charging.
  - If your appliance lights up every time the charge runs low due to less sunlight, you are likely to drain the battery completely.
- First possibility: you can load your appliance only when the weather is constantly clear and sunny.

Second possibility: connect a buffer battery between the solar panel and your appliance to regulate and obtain a constant current.

### TROUBLESHOOTING

- Check all connections between the solar panel and the appliance which you are trying to charge.
- Check the wiring and connections.
- If the connections are all right, use a voltmeter or 12 volt pilot lamp to check the output voltage.
- check the condition of the battery for charging. After a certain time batteries become less efficient. Lower battery efficiency may mean that the battery needs to be replaced.
- laptops require more current. A buffer battery is required between the portable solar panel and your computer. Consult the [www.mymobilepower.com](http://www.mymobilepower.com) site for further information.

### QUESTIONS/ANSWERS

#### Does the solar panel store energy?

Solar panels do not store energy but they directly convert sunlight into 12V electrical voltage.

The energy generated by the solar panel is stored in the batteries.

#### How do I know whether my solar panel is functioning?

Check the charge warning light on the electronic appliance or accessory on charge.

#### Can the solar panel drain my battery at night?

No. The solar panel is equipped with a non-return diode which stops it from draining your battery.

#### What happens if the solar panel gets wet?

The materials used in the manufacture of the panel are waterproof. Dry the panel with a clean, dry cloth and allow it to dry before folding and putting away. DO NOT LEAVE the panel in water.

#### Can I leave the panel outside all the time?

These panels are designed for outside use. In order to extend the life of panels, it is recommended that once your appliance is fully charged you wipe the panel, allow it to dry and fold it before putting it away in a dry place.

#### Is the solar panel compatible with all battery chargers?

With its female cigarette lighter outlet and 12V output voltage, the panel is compatible with most battery (AA/AAA, Li-Ion, Li-Po, etc) chargers supplied with a car cigarette lighter cable. However, if you are using your battery charger with the solar panel when there is a sudden loss of light (due, for example, to cloud cover), the drop in current may cause a display fault in certain chargers. To be certain that the panel is charging properly, you should disconnect and reconnect the cigarette lighter plug. In most cases, once the panel current is stabilized your battery will continue to hold its charge despite a display fault.

#### Is the solar panel compatible with all USB chargers?

The panel, with its female cigarette lighter and 5V adapter, is compatible with most USB charger cables. You should, however, check the voltage and amperage which you need to charge your appliance. Some appliances require more than 5V or 500mA. In that case, make sure that you have a cigarette lighter adapter which is compatible with your appliance or use an adapted USB buffer battery between the panel and your appliance.

### TECHNICAL SPECIFICATIONS

	Power4	Power8	Power16
No-load voltage	17.3V	17.3V	17.3V
Short circuit current	0.37A	0.74A	1.48A
Max. power output	6.4W	12.8W	25.6W
Nominal voltage	12V	12V	12V
Max. current	0.3A	0.6A	1.2A
Power output	3.6W	7.2W	14.4W
Size (folded)	215 x 95 x 20 mm	215 x 95 x 35 mm	215 x 95 x 50 mm
Size (opened up)	530 x 215 mm	560 x 430 mm	1040 x 430 mm
Weight	230g	420g	780g
Guarantee	2 years	2 years	2 years

### LIMITED GUARANTEE

This product is covered by a limited 2year guarantee against any manufacturing or material fault which may affect its performance. MyMobilePower undertakes to replace free of charge any defective product which is returned by the purchaser, together with proof of purchase, during the guarantee period. The product is not guaranteed against wear and tear or damage caused by misuse and/or wrong use. Furthermore, any unit displaying signs of photovoltaic cell creasing or distortion is not covered by this guarantee.

**NOTE:** Since the conditions and methods of photovoltaic cell operation, use and



maintenance are beyond its control, the manufacturer will be in no way liable and will specifically deny liability for any loss, damage or outlay directly or indirectly relating to such operation, use or maintenance.

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