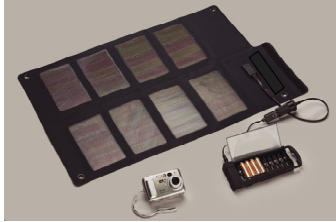


Instructions

CAUTION: Please read the following instructions before operating your ME² Solar™ Foldable device

ME Solar™ Foldable solarpanel s convert sunlight directly into 12 V electricity—ideal for recharging consumer electronics and maintaining vehicle batteries.

PRODUCT DESCRIPTION AND SPECIFICATIONS



Part Number:		
Wattage:	6.5 W	12 W
Output:	12 V	12 V
Power:	433 mA MAX.	800 mA MAX.
Weight:	7 oz (0.20 kg)	13 oz (0.36 kg)
Open Size:	29 1/2 x 9 x 1/32 in (75 x 23 x 0.08 cm)	29 1/4 x 16 x 1/32 in (75 x 40.6 x 0.08 cm)
Closed size:	5 x 9 x 1/2 in (13 x 23 x 1.3 cm)	5 x 9 x 3/4 in (13 x 23 x 1.9 cm)

The overall performance of the ME² Solar™ Foldable panel is dependent on a variety of conditions including season, orientation with direct sunlight, cloudy conditions, temperature, and shadowing. As a result, providing 'typical' performance parameters is dependent of the placement of the Folding Solar Power.

NOTE: When in use, the Folding Solar Power Panel will adjust its voltage and charge the electronic device at its intended rate. Measuring current and voltage while charging may not give an accurate reading of the solar power panel's performance. This solar power panel will not work with indoor lighting.

CAUTION: When recharging, some consumer products may not be allowed to be in direct sunlight. Consult the instruction manual of your product for further details.

PART LIST (see Fig. 1):

- Folding Solar Power Panel (not shown)
- 12 V vehicle power plug
- 12 V vehicle power outlet
- Battery clamps
- 4 in. barrel connector
- 8 ft. extension cable



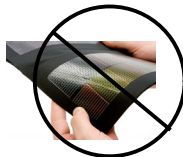
Fig. 1

IMPORTANT SYSTEM CARE INSTRUCTIONS:

- Although the Folding Solar Power Panel is flexible, ONLY FOLD the natural creases in the all-cloth portions of the panel.
- DO NOT FOLD with the solar cells facing outward.
- DO NOT FOLD or crease the solar charger on sharp edges or objects.
- DO NOT CRUMPLE OR IMPROPERLY BEND PANELS.



- DO NOT excessively flex or bend the panel as this could cause the plastic layers to crease or bubble.
- DO NOT machine wash, machine dry, or dry clean the panel.
- ALWAYS charge vehicle lead-acid batteries in a well-ventilated area.
- DO NOT attempt to charge non-rechargeable batteries.
- ALWAYS ensure correct polarity of the connections before attaching. DO NOT connect vehicle power plug cable to vehicle power outlet cable.



- Use extension cord provided to attach any of the cable accessories together.
- The Folding Solar Power Panel is designed for portable outdoor use. Fold and store when not in use.

FOLDING SOLAR POWER PANEL APPLICATIONS/HOW TO USE

CAUTION: Ensure that you completely understand this instruction manual before using your Folding Solar Power Panel.

1. Consumer Electronics

Handheld Devices & Rechargeable Batteries

Application: Charges/runs most handheld electronic devices such as MP3 players, cellphones, digital cameras, Personal Digital Assistants; and is also compatible for running most AA/AAA Ni-Cd and Ni-MH battery chargers.

How to use: Connect the 12 V vehicle power outlet receptacle to the Folding Solar Power Panel. Insert the adaptor (male) included with the handheld electronic device or battery charger into the 12 V vehicle power outlet. Place the panel in direct sunlight. Consult appropriate "Product Application Chart" for charging times.

12 V Accessories

Application: Charges/runs most 12 V accessories.

How to use: Connect the 12 V vehicle power plug to the Folding Solar Power Panel. Insert the 12 V vehicle power plug directly into the socket of the 12 V accessory. Consult appropriate "Product Application Chart" for charging times.

2. Vehicle Batteries

Application: Trickle charges and maintains car/RV/marine batteries.

Recommended use: Connect the 12 V vehicle power plug to the 8' extension accessory cable and then to the Folding Solar Power Panel. Insert the 12 V vehicle power plug directly into your car's cigarette lighter outlet. Place the solar charger so that it receives direct sunlight.

OR

Connect the 18" battery clamps accessory cable to the 8' extension accessory cable (included with the Folding Solar Power Panel) and then to the Folding Solar Power Panel. Directly connect the 18" battery clamps to the vehicle battery connecting the red battery clamp to the positive (+) battery node and the black battery clamp to the negative (-) battery node.

	For 6.5 W Foldable 650	For 12 W Foldable 1200
Application	Run/Charge	Run/Charge
4 "AA" batteries	Charge 4–6 hrs.	Charge 1–3 hrs.
Digital camera	Charge 2–4 hrs.	Charge 1–3 hrs.
PDA	Charge 2–4 hrs.	Charge 1–3 hrs.
MP3 player	Charge 2–4 hrs.	Charge 1–3 hrs.
Portable video game console	Run/charge 2–4 hrs.	Run/charge 1–3 hrs.
Digital camcorder	Charge 2–5 hrs.	Charge 1–3 hrs.
RV/car/marine battery	Trickle charge/maintain	Trickle charge/maintain

NOTE: Charge times are estimates only, and depend on several factors including device, weather and season.

TROUBLESHOOTING

- Inspect the connections between Folding Solar Power Panel and the device you are attempting to charge.
- Inspect all plugs, outlets, clamps, connectors and cables to ensure they are not damaged or cut.
- If the connections are all secure, use a volt meter or 12 V test light to check voltage between the positive and negative electrodes. This check should be done using the 12 V vehicle power plug.
- For vehicle and AA/AAA battery charging, check to make sure that the battery is in good condition. Over time battery performance decreases. If the battery performance is weakened, the battery may need to be replaced.
- Note: Some portable electronics such as computers require more power (current) than the solar power panel creates. If problems persist you may require a larger solar power panel.

FAQs

How do I know that my Folding Solar Power Panel is working?

Check the charge indicator light or bar on the handheld electronics or accessory. For battery charging, the product can be tested with a volt meter.

How do I know what size to use?

Consult the Product Application chart above.

Will this product drain my battery at night?

No. The Folding Solar Power Panel has a built-in reversing diode and charge regulator that prevents the solar array from discharging your battery at night.

What happens if the solar power panel gets wet?

The Folding Solar Power Panel is made from water-resistant material. Wipe the product with a clean, dry cloth and allow the product to dry before folding for storage. DO NOT keep the product in or underwater.

Can I leave the solar power panel outside for continual use?

Yes the Folding Solar Power Panels are designed for portable outdoor use. To prolong the life of the Folding Solar Power Panels we recommend once your application is finished charging (see charge times from chart), wipe the product with a clean, dry cloth, allow the product to dry, fold and store.

Should the solar power panel be disconnected from the car battery when starting the engine?

No, the solar power panel can remain connected and will not effect operation of the vehicle or any of the vehicle's electronic components

2-YEAR LIMITED WARRANTY

This ME² Solar™ product carries a two (2) year limited warranty against defects in workmanship and materials affecting performance. Mobile-Energy agrees to replace the defective product free of charge, within the stated warranty period, when returned by the original purchaser with **proof of purchase**. This product is not guaranteed against wear or breakage due to misuse and/or abuse. In addition, any units that show signs of creasing or folding on the active photovoltaic areas are not covered under this warranty.

NOTE: Since the conditions or methods of operation, use and maintenance of PV modules are beyond its control, the Manufacturer does not assume responsibility and expressly disclaims liability for loss, damage or expense arising out of or in any way connected with such operation, use or maintenance.

WARNING – Folding Solar Power Panel generates electricity when exposed to light, even when not connected in a circuit. Shocks and burns can result from contact with module output wiring, misuse or improper connections. Contact battery manufacturer for questions on battery specifications before charging.

