



ME² Solar™ Foldable 1200 - 12 Watt

The Foldable solar products from the ME² Solar Line is the best solution for portable power for all types of outdoor needs. The Foldable 1200 is ideal for hiking, camping, sporting events, on campus, and at the beach.

Incorporating solid state, thin-film solar cells, the Foldable 1200 provides an excellent choice for applications that require lightweight, flexible, durable, silent power.

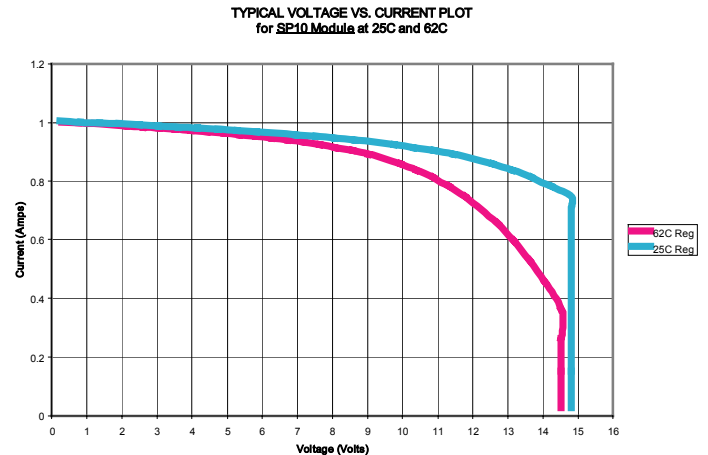
Features

- Flexible and durable solar cells based on the revolutionary CIGS technology: a proven innovation used in space, military and large grid installation
- Designed to provide years of reliable service with patented high performance flexible photovoltaic cells
- Lightweight less than 1-lb. each panel
- Offers higher cell efficiency than other flexible solar cell technologies at a reduced cost
- Functions with many devices even in cloudy and rainy skies
- It can be mounted to curved surfaces
- Fully Weatherproofed
- UV resistant
- Easily folds into a planner-size pack that fits virtually anywhere including backpacks, glove boxes, purses, cargo pant pockets
- Can be easily installed on any backpack, tents or jackets

Benefits

- Silent and clean operation (no exhaust like diesel generators)
- Lightweight & portable
- Substantially reduces cost compared to non-rechargeable primary batteries
- Re-charges batteries or directly powers
- Provides alternate energy option

Powers cell phones, PDA devices, MP3 Players, and digital cameras.



The I/V graph above shows the typical performance of the solar module at STC



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Product Specifications (Foldable 1200)

Electrical Characteristics*	
Product Number	21200
Typical Current (milliamps) at STC* (at 11V)	800
Nominal Operating Voltage	12V CLA**
Typical Power (Watts) at STC*	11
Maximum Limit for Open Circuit Voltage	15.6V
Maximum Power (Watts)	12

Thermal Characteristics	
Power (%/C)	-0.6
Voltage (%/C)	-.06
Cell Temperature Operating Range	-40° C to 80° C

Dimensions and Weight	
Folded	
Length, mm	229
Width, mm	127
Thickness, mm	17.78
Deployed	
Length, mm	749.3
Width, mm	457
Thickness, mm	0.762
Weights	
Weight, kg	0.4
Power to weight ratio watt/kg	30

* Data at Standard Test Conditions (STC)
STC: irradiance level 1000W/m², spectrum AM 1.5 and cell temperature 25° C

** Cigarette Lighter Adapter (CLAs) typically operate best between 11V and 14.5V

PRODUCT APPLICATION CHART	
Specifications	
Output	12 V
Power	800 mAh
4 AA Batteries	C 1-3H
4 AAA Batteries	C 1-2H
Cell Phone	R / C 2-3
Digital Camera	C1-3H
Digital Camcorder	C1-3H
MP3 Player	C1-3H
Portable Video Game	C1-3H
PDA	C1-3H
Portable DVD	C4-5 H
R - Run, C - Charge, T - Trickle Charge, H - Hours	



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