



Let Our Power Give You Freedom

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## GSF Portable Solar Panel - 12 Watt

GSF is the only solution for portable solar power for all types of outdoor needs. Flexi 12 Watt is ideal for hiking, camping, sporting events on campus, on the go and at the beach.

Incorporating solid state, thin-film, Flexi solar cells, the Flexi 12 Watt provides an excellent choice for excursions that require lightweight, flexible and durable portable power.

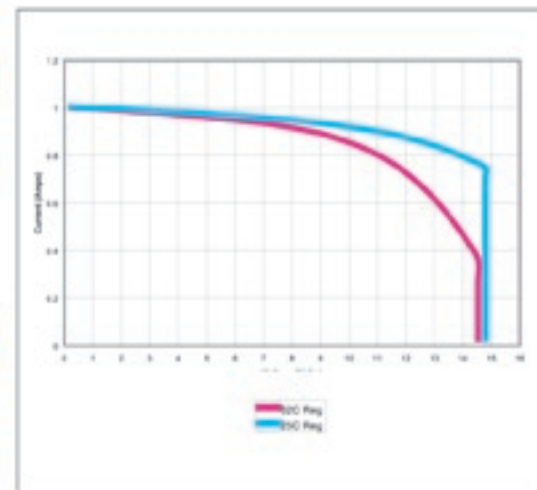


Flexi 12 Watt

### Product Specifications (GSF-12)

Electrical Characteristics*	
GSF Product Number	GSF-12
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)	-0.6
Cell Temperature Operating Range	-40° to 176° F -40° to 80° C
Dimensions and Weight	
Folded	
Length, in (mm)	9 (229)
Width, in (mm)	5 (127)
Thickness, in (mm)	0.7(17.78)
Deployed	
Length, in (mm)	29.5 (749.3)
Width, in (mm)	18 (546)
Thickness, in (mm)	0.03(0.762)
Weight	
Weight, lb (kg)	0.9 (0.4)
Max Power to weight ratio watt/lb (watt/kg)	13.3(30)
*Data at Standard Test Conditions (STC) STC: Irradiance level 1000W / m <sup>2</sup> , Spectrum AM 1.5 and cell temperature 25°C ** Cigarette Lighter Adapters (CLAs) typically operate best between 11V and 14.5V	

TYPICAL VOLTAGE VS. CURRENT PLOT for GSF10 Module at 25C and 62C



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



DURABLE



FLEXIBLE



WATERPROOF