

# P3 Portable Power Pack - 30 Watt

The P3 Portable Power Pack is a solar-energized power generator for your mobile power needs.

Incorporating solid state, thin-film, PowerFLEX™ solar cells, the P3 provides an excellent choice for applications that require lightweight, flexible, durable, silent power

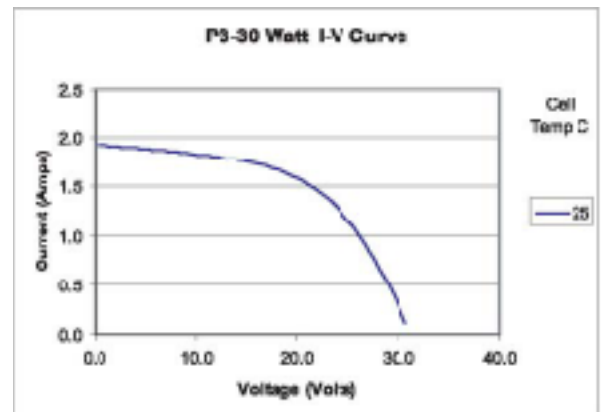
## Product Specifications (P3-30)

Electrical Characteristics*	
<b>P3 Product Number</b>	<b>P3-30</b>
System Voltage Rating	12V
Rated Power (watts)	30
Rated Voltage at MPP (VDC)	22
Rated Current (amps)	1.6
Open Circuit Voltage (volts)	35
Short Circuit Current (amps)	2.0
Thermal Characteristics	
Temperature Coefficient for Power (%/C)	-0.43
Temperature Coefficient for Voltage (%/C)	-0.38
Temperature Coefficient for Voc (%/C)	-0.33
Cell Temperature Operating Range	-40° F to 176° F / -40° C to 80° C
Open Circuit Voltage (volts) @ -20°C	40
Open Circuit Voltage (volts) @ -40°C	42

Dimensions and Weight	
Folded	
Length, in (mm)	10.5 (257)
Width, in (mm)	8.5 (216)
Thickness, in (mm)	1.2 (30.5)
Unfolded	
Length, in (mm)	44.5 (1130)
Width, in (mm)	21.5 (546)
Thickness, in (mm)	0.1 (2.5)
Weight	
Weight, lb (kg)	1.8 (.83)
Power to weight ratio watt/lb (watt/kg)	16 (36)

\*Nominal data at Standard Test Conditions (STC)

STC: irradiance level 1000W / m<sup>2</sup>, spectrum AM 1.5 and cell temperature 25° C  
 The thin film solar material in this module can increase in power with exposure to sunlight. Expose the module to sunlight for 3-4 days for best measurement results.  
 Rating tolerance +40/-15%



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



P3-30 Watt

