

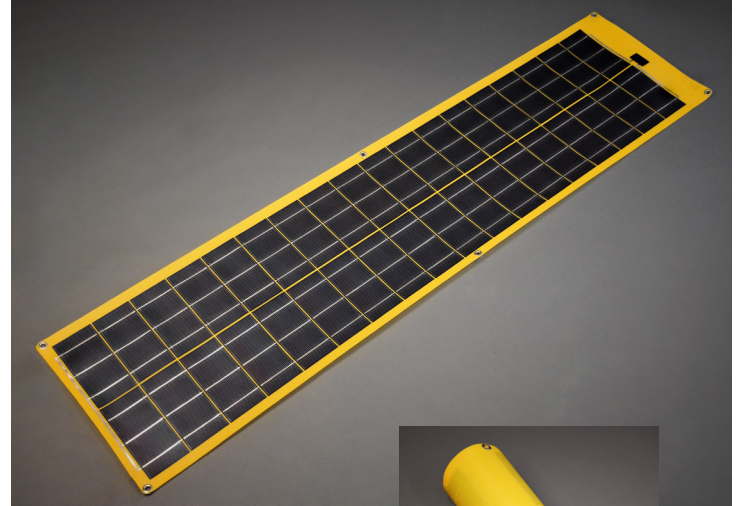
90W Rollable Solar Charger

The **P3Solar 90W Rollable Solar Charger**, is designed for use with off-the-shelf 12V Batteries and Solar Charge Controllers. The 90W is compact, rolling up to a 5 inch diameter by 18.75 inch height, and is lightweight and flexible making it easy to transport and store.

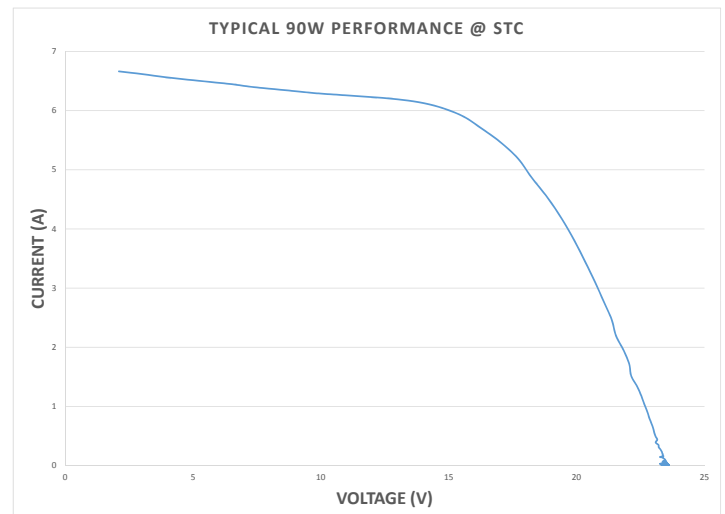
90W Product Specifications

Electrical Characteristics @ STC*	
Rated Power (watts)	90
Rated Voltage at MPP (VDC)	16.4
Rated Current at MPP (amp)	5.5
Open Circuit Voltage (volts)	23
Short Circuit Current (amps)	6.4
Physical Characteristics	
Rolled Dimensions, mm	127 Dia x 476
Rolled Dimensions, inches	5 Dia x 18.75
Deployed Dimensions, mm	476 x 1975 x 1.0
Deployed Dimensions, inches	18.75 x 77.75 x 0.04
Max. Deployed Thickness at J-Box, mm (in.)	12 (0.5)
Weight, kg(lb)	1.36 (3.0)
Power to Weight Ratio, watt/kg(watt/lb)	66 (30)
Thermal Characteristics	
Temperature Coefficient for Power (%/°C)	-0.43
Temperature Coefficient for Voltage (%/°C)	-0.38
Temperature Coefficient for Voc (%/°C)	-0.33
Temperature Coefficient for Isc (%/°C)	-0.03
Cell Temperature Operating Range (°C)	-40 to 85
Voltage, Open Circuit @ -40°C (volts)	28
Voltage, Vmpp @ 50°C (volts)	14.5
Voltage, Vmpp @ 75°C (volts)	13.28

*Electrical Characteristics- tested at Standard Test Conditions (STC): irradiance level 1000W/m², spectrum AM 1.5 and cell temperature 25° C. Tolerance +/-15%. The performance of this product may increase by up to ~5% after the first several hours of exposure to sunlight.



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