

30W Portable Solar Charger

The P3-30 is a Military grade Solar Charger derived from years of supporting troops in the battlefield. The P3-30 has been tested to the MIL-STD-810G series of tests and has been approved for deployment in austere operating environments. At 40w/pound, the P3-30 enables manpack applications requiring lightweight, flexible, and reliable power.

P3-30W Product Specifications

Electrical Characteristics @ STC*

Rated Power (watts)	30
Rated Voltage at MPP (VDC)	25
Rated Current at MPP (amp)	1.2
Open Circuit Voltage (volts)	32
Short Circuit Current (amps)	1.4

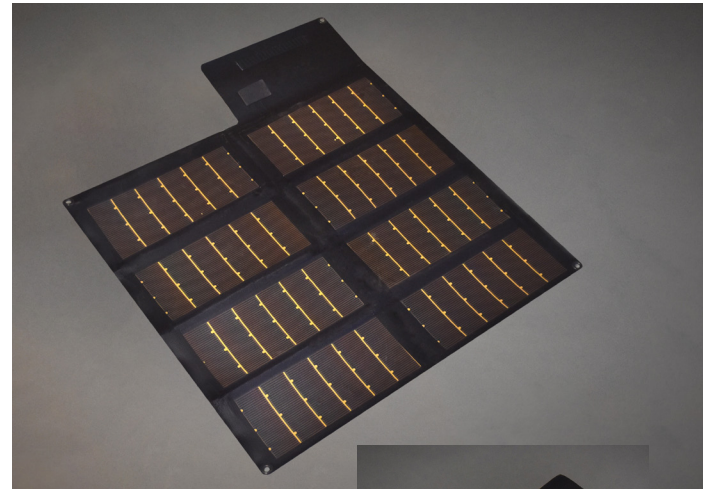
Physical Characteristics

Folded Dimensions, mm	152 X 318 X 17.8
Folded Dimensions, inches	6 X 12.5 X 0.7
Deployed Dimensions, mm	699 X 635 X 1.0
Deployed Dimensions, inches	27.5 X 25 X 0.04
Max. Deployed Thickness at J-Box, mm (in.)	12 (0.5)
Weight, kg(lb)	0.34 (0.75)
Power to Weight Ratio, watt/kg(watt/lb)	88 (40)

Thermal Characteristics

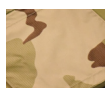
Temperature Coefficient for Power (%/°C)	-0.43
Temperature Coefficient for Voltage (%/°C)	-0.38
Temperature Coefficient for Voc (%/°C)	-0.33
Temperature Coefficient for Isc (%/°C)	-0.03
Cell Temperature Operating Range (°C)	-40 to 85
Voltage, Open Circuit @ -40°C (volts)	39
Voltage, Vmpp @ 50°C (volts)	22.5
Voltage, Vmpp @ 75°C (volts)	20

*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.

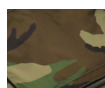


Black
PN 18057

Also available in:



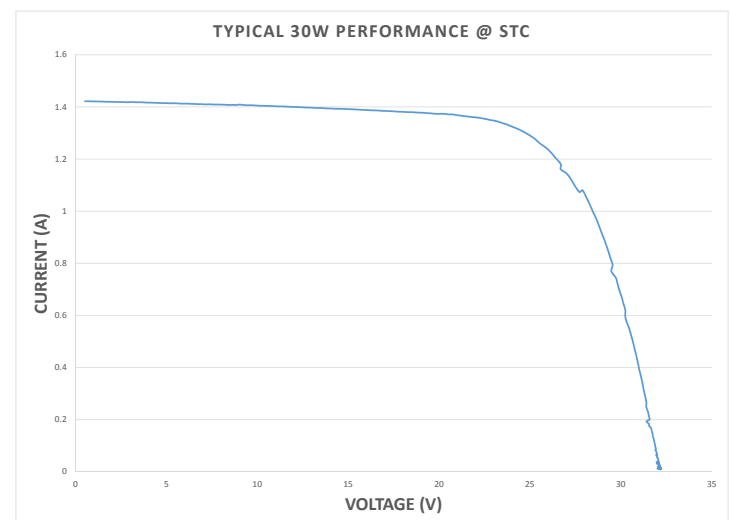
Desert Camo
PN 18055



Woodland Camo
PN 18056



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