

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 |

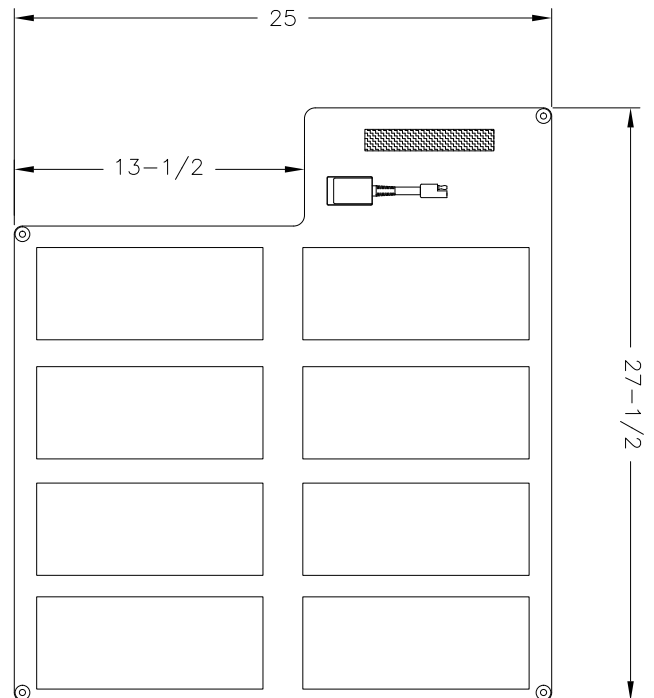
Physical Characteristics

| | |
|--|------------------|
| 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) |

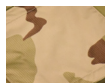
Thermal Characteristics

| | |
|--|-----------|
| 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.



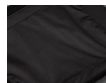
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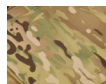
Desert Camo
PN 18055



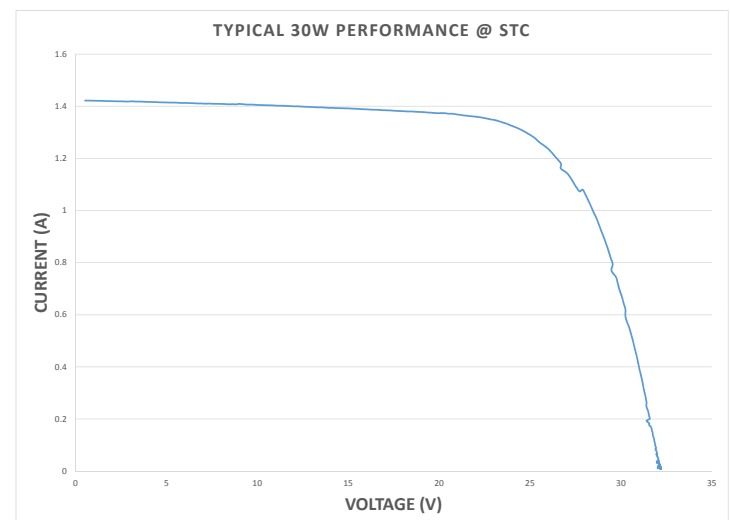
Woodland Camo
PN 18056



Black
PN 18057



Multicam
PN 18058



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