



SOLAR STIK®

Category: Power Generation

# 125W Flexible Solar Panel

24VDC Item # 11-0402015



## General

Certification	MIL-STD-810G tested and approved for deployment in austere operating conditions
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## Solar Panel @ STC\*

Rated Power	150 W
Rated Voltage at MPP	31 VDC
Rated Current at MPP	4.8 A
Open Circuit Voltage	39 V
Short Circuit Current	5.6 A

## Solar Panel (@ 77 °F/25 °C)

Cell Type	CIGS thin film cells
Cell Efficiency	>14%

## Performance Specifications

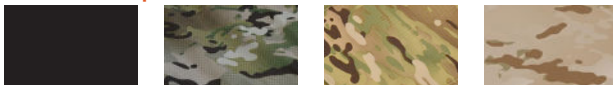
Temperature Coefficient for Power (%/ °C)	-0.43
Temperature Coefficient for Voltage (%/ °C)	-0.38
Temperature Coefficient for Voc (%/ °C)	-0.33
Temperature Coefficient for Isc (%/ °C)	-0.03
Cell Temperature Operating Range	-40 to 185 °F (-40 to 85 °C)
Voltage, Open Circuit @ -40 °F (-40 °C)	56 V
Voltage, Vmpp @ 122 °F (50 °C)	29.7 V
Voltage, Vmpp @ 167 °F (75 °C)	26.75 V

## Weights and Dimensions (L x W x H)

Solar Panel Weight	3.25 lb (1.48 kg)
Power to Weight Ratio	38.5 W/lb (84.5 W/kg)
Solar Panel Dimensions	<ul style="list-style-type: none"> <li>Folded: 10.25 x 12.5 x 1.75 in (26.035 x 31.75 x 4.445 cm)</li> <li>Deployed: 63.75 x 39.625 x 0.04 in (161.925 x 100.65 x 0.1 cm)</li> </ul>
Max. Deployed Thickness at J-Box	0.5 in (1.27 cm)

\*Electrical Characteristics - tested at Standard Test Conditions (STC): irradiance level 1000W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature 77 °F (25 °C). Tolerance +/-15%. The performance of this product may increase by up to ~5% after the first several hours of exposure to sunlight.

## Panel Color Options



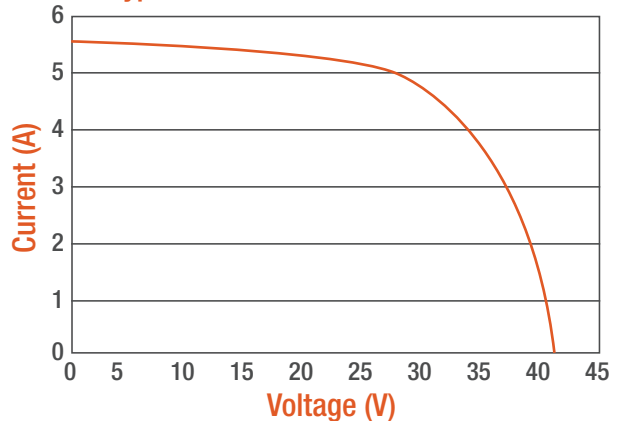
Black      Woodland Camo      Multicam      Desert Camo

## Features

- ~1.25 kWh of daily power generation\*
- CIGS thin film cells on a stainless substrate panels
  - Foldable form factor
  - Performance in low-light conditions
- Minimal deployment footprint
- Lightweight construction and foldable for ease of deployment and storage
- Glass-free panels
- Non-stick surface resists soiling/wipes clean
- Non-reflective surface maximizes light capture and reduces visibility
- Weather resistant

\*Based on five hours solar irradiance

## Typical 125W HV Performance @ STC



## Recommended Components and Accessories

15 ft 24VDC Solar Leash – Item # 13-0000050



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