



## High Efficiency – Monocrystalline Flexible Photovoltaic Module

### Overview

- High efficiency solar cells with quality silicon material for high module conversion efficiency and long term output stability and reliability.
- Rigorous quality control to meet the highest international standards.
- Outstanding electrical performance under high temperature and weak light environments.



### Applications

- Any off-grid solar power stations.

### Warranty

- 1 year limited product warranty on materials and workmanship.
- Refer to warranty document for detailed warranty information.



### Certifications

- CE

### Mechanical Specifications

Characteristic	Details
Cell Size	125mm x 62.5mm (4.92" x 2.46")
Module Dimension (L x W x T)	575mm x 535mm x 3mm (22.64" x 21.06" x 0.12")
No. of Cells	36
Weight	0.7 kg (1.5 lbs)
Cable Length	3048mm (10')
Type of Connector	7.9 mm barrel
Junction Box	IP65 Rated
No. of Holes in Frame	4 installation holes

# MODEL: GS-Photoflex-50W

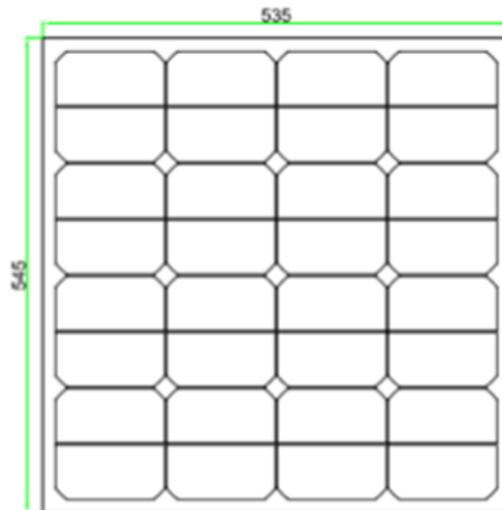
## Electrical Specifications

(STC\* = 25 °C, 1000W/m<sup>2</sup> Irradiance and AM=1.5)

Model	GS-Photoflex-50W
Max Recommended System Voltage	150V
Maximum Power P <sub>max</sub>	50 W* (-10%, +10%)
Cell type	Mono silicon
Voltage at Maximum Power Point V <sub>mpp</sub>	17.7 V
Current at Maximum Power Point I <sub>mpp</sub>	2.82A
Open Circuit Voltage V <sub>oc</sub>	20.8 V
Short Circuit Current I <sub>sc</sub>	3.05 A
Module Efficiency (%)	17.1%
Temperature Coefficient of V <sub>oc</sub>	-0.28% /°C
Temperature Coefficient of I <sub>sc</sub>	+0.06% /°C
Temperature Coefficient of P <sub>max</sub>	-0.38% /°C

\*Standard Test Conditions

## Physical Specifications mm



## Other Performance Data

Power Tolerance	Operating Temperature	Max Series Fuse Rating	NOCT*
-10%, +10%	-40 °C to +85 °C	10A	45 °C +/- 2 °C

\*Normal Operating Cell Temperature

[www.GrapeSolar.com](http://www.GrapeSolar.com)

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