



High Efficiency Mono-crystalline
Flexible Photovoltaic Module

Overview

- High efficiency solar cells (approx. 18%) 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

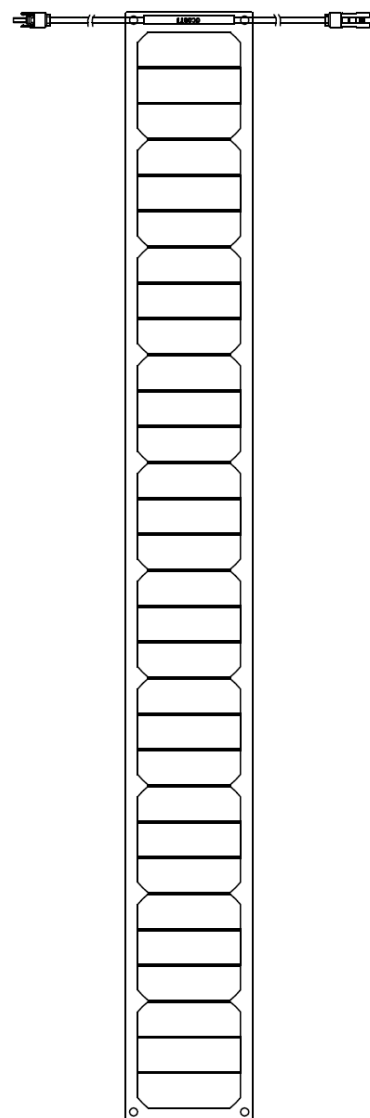
- Any large or small off-grid solar power stations.

Warranty

- 2 year limited product warranty on materials and workmanship
- 10 year warranty on >90% power output

Certifications

- CE



Mechanical Specifications

Characteristic	Details
Cell Size	125mm x 41mm (4.92" x 2.46")
Module Dimension (L x W x T)	1348mm x 155mm x 3mm (53.07" x 6.10" x 0.12")
No. of Cells	30
Weight	0.5 kg (1.1 lbs)
Cable Length	900mm (35.4") for positive (+) and negative (-)
Type of Connector	MC4
Junction Box	IP65 Rated
No. of Holes in Frame	4 installation holes

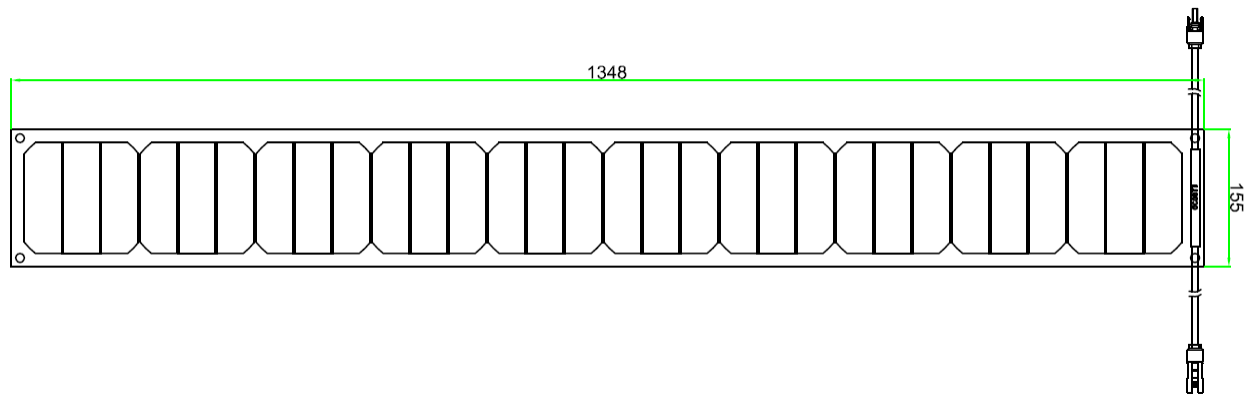
Electrical Specifications

(STC* = 25 °C, 1000W/m² Irradiance, and AM=1.5)

Model	PhotoFlex-030W
Max System Voltage (IEC/UL)	600V
Maximum Power P _{max}	30 W (0%, +5%)
Cell Type	Mono silicon
Voltage at Maximum Power Point V _{mpp}	16.5 V
Current at Maximum Power Point I _{mpp}	1.82 A
Open Circuit Voltage V _{oc}	19.5 V
Short Circuit Current I _{sc}	1.98 A
Module Efficiency (%)	14.4%
Temperature Coefficient of V _{oc}	(-0.28% /°C)
Temperature Coefficient of I _{sc}	(0.06% /°C)
Temperature Coefficient of P _{max}	(-0.38% /°C)

*Standard Test Conditions

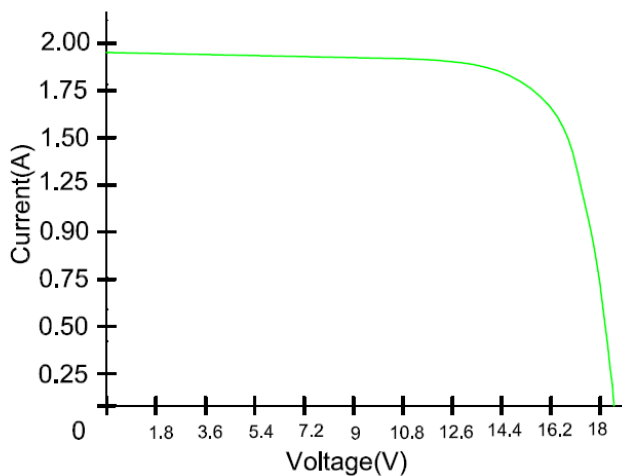
Physical Dimensions (mm)



Other Performance Data

Power Tolerance	Operating Temperature	Max Series Fuse Rating	NOCT*
0%, +5%	-40 °C to +85 °C	5 A	45 °C ± 2 °C

*Normal Operating Cell Temperature



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