

## RNG-Flex-100D

### Electrical Characteristics

Maximum Power at STC (Pmax)	100W
Optimum Operating Voltage (Vmp)	17.7 V
Optimum Operating Current (Imp)	5.70A
Open-Circuit Voltage (Voc)	21.7 V
Short-Circuit Current (Isc)	6.10 A
Cells Efficiency	19.9%
Maximum System Voltage	600 VDC

STC: Irradiance 1000 W/m<sup>2</sup>, module temperature 25°C, AM=1.5

### Mechanical Characteristics

No. of Cells	32
Dimensions	1090 x 540 x 3 mm (42.9 x 21.3 x 0.125 inches)
Weight	1.35 kgs ( 3 lbs )

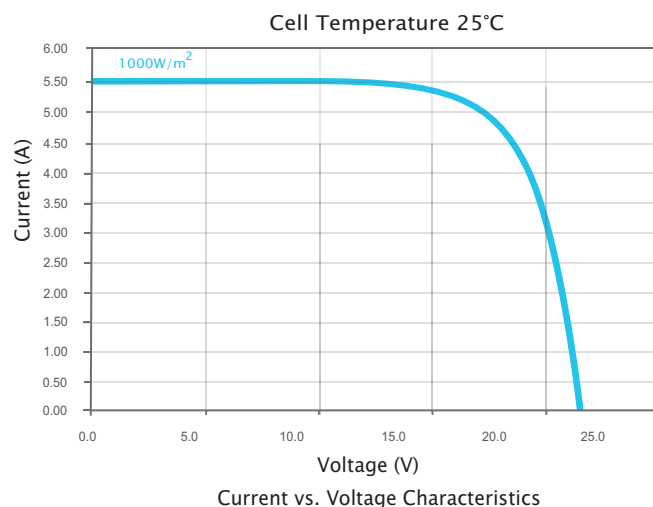
### Maximum Ratings

Operating Module Temperature	-40°C to +80°C
Maximum Series Fuse Rating	10 A

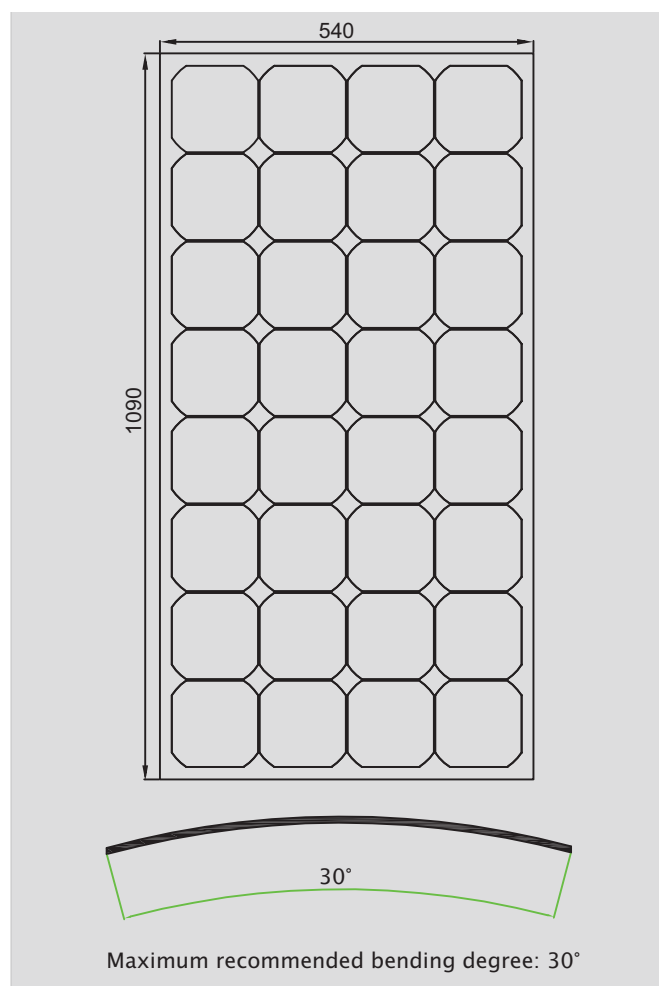
### Temperature Characteristics

Nominal Operating Cell Temperature ( NOCT )	47±2°C
Temperature Coefficient of Pmax	-0.38%/°C
Temperature Coefficient of Voc	-60.8mV/°C
Temperature Coefficient of Isc	2.2/°C

### I-V Curve



### Module Diagram



### Warranty & Safety Guide

- 5 year materials and workmanship warranty
- Please read the Renogy Installation Manual before installation
- Be aware of dangerously high DC voltage;
- Do not install modules when wet or broken.

