

# NPA100-12SFM

## Monocrystalline Module

**36 Cell**

Monocrystalline Module

**100W**

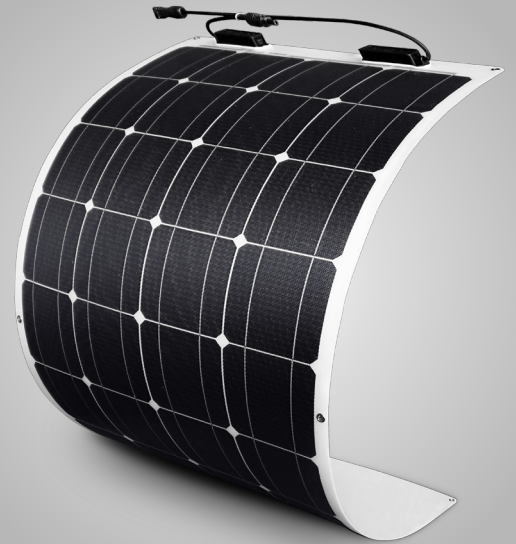
Power Output

**15.0%**

Maximum Efficiency

**5%**

Positive Tolerance



### High Efficiency

Module Efficiency improved through advanced cell technology and manufacturing capabilities



### High Performance Cost Ratio

Provide industry advanced cell technology and qualified materials at affordable prices



### Efficient Sorting Process

System output maximized by reducing mismatch losses up to 2% with modules sorted & packaged by amperage

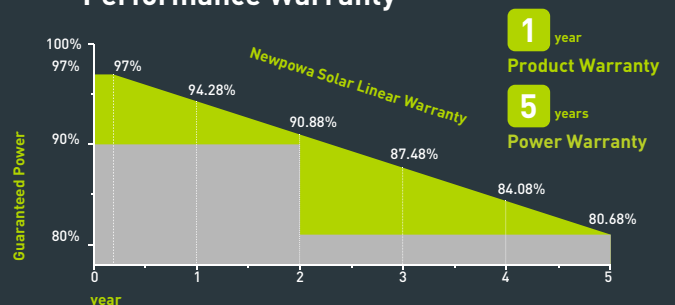


### Highly Reliable

Solid encapsulation and diffusion barriers provides long term protection against PID damage, built to handle 5,400 Pa of front load, rear side 2,400Pa, Hailstone Test at 1.375 inches in diameter falling at terminal velocity through the sky.



### Performance Warranty



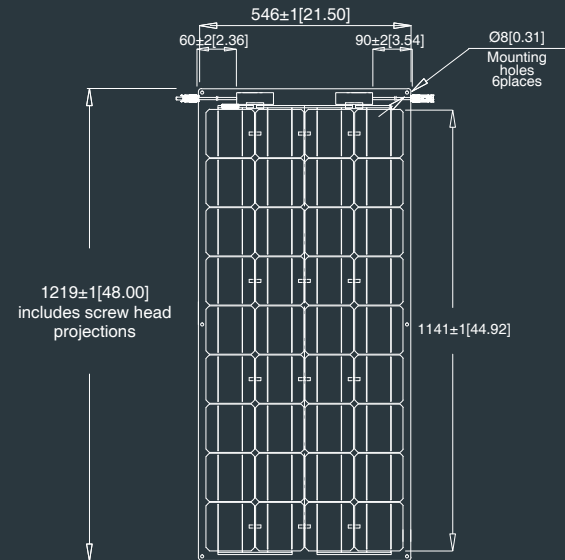
## ELECTRICAL CHARACTERISTICS

Type	NPA100-12SFM
Power Output(W)	100W
Voltage MPP Vmp(V)	19.00V
Current MPP Imp(A)	5.27A
Voltage Open Circuit Voc(V)	23.50V
Short Circuit Current Isc(A)	5.67A
Temperature Coefficient Of Voc	-[80±10]mV/°C
Temperature Coefficient Of Isc	[0.065±0.015]%/°C
Temperature Coefficient Of Power	-[0.5±0.05]%/°C
NOCT (Air 20°C; Sun 0.8kW/m <sup>2</sup> wind 1m/s)	47±2°C

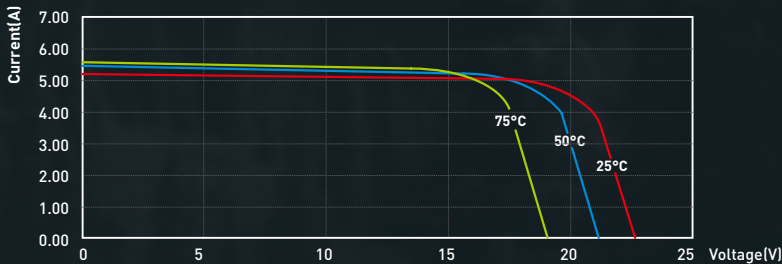
STC: 1000W/m<sup>2</sup> Irradiance, 25°C module temperature, AM1.5g spectrum according to EN 60904-3

## MECHANICAL CHARACTERISTICS

Cells	Monocrystalline Silicon
Solar Cells Grade	Class A High Efficiency
Module Dimension(mm/in.)	1219[48.00]x546[21.50]x20[0.79]
Weight(kg/lbs)	1.90[4.19]
Packing Information(mm/in.)	1270[50.00]x600[23.62]x50[1.97]/(1pc/ctn)



## I-V CURVES (Irradiance: AM1.5, 1km/m<sup>2</sup>)



\*Specifications subject to technical changes and tests.  
NEWPOWA reserves the right of final interpretation.



702-628-7600



sales@newpowa.com



www.newpowa.com



3633 Inland Empire Blvd, Ste 600, Ontario, CA 91764