



Newpowa
BE WISE GO SOLAR

NPA100S-12SFM

Monocrystalline Module

36 Cell

Monocrystalline Module

100W

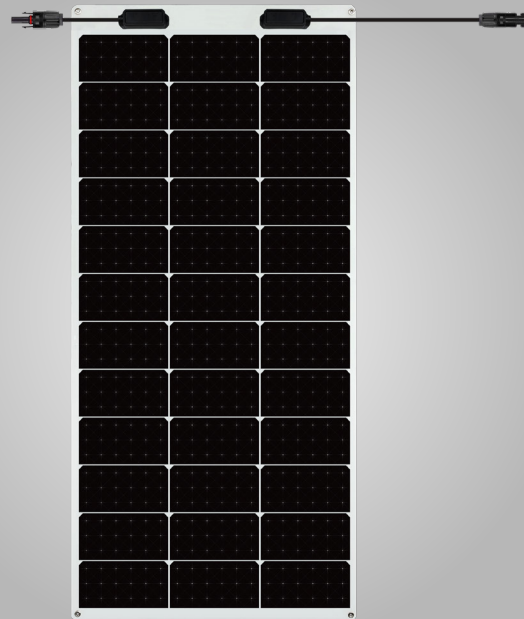
Power Output

18.06%

Maximum Efficiency

5%

Positive Tolerance



Easy Installation

- Four pre-drilled holes and connectors help you install easily and quickly



Technology Introduction

- With Hidden busbars, Solar cell area increased by 3%
- Eliminate the power loss caused by micro cracks and degradation
- Compatible with most of cell types including TOPCON, PERC, HIT, etc.



Lightweight and Ultra-thin Design

- Its 3.09lbs weight and 0.07in thickness are ideal for travel purposes with easy installation



Highly Reliable

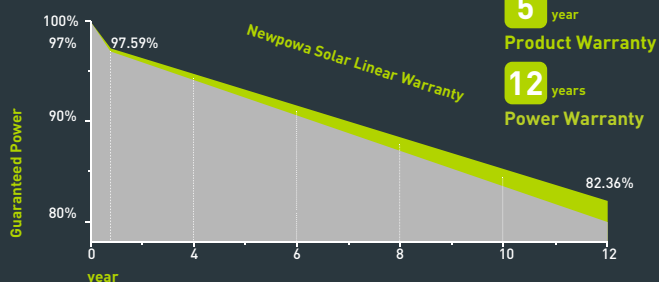
- After stringent environmental tests, it was shown to withstand high winds (1600Pa), hail and snow load (2400Pa)

Management Certificate
Positive mechanical load
Warranty

ISO 9001: 2015
>5400Pa
12-year Linear Power
Warranty



Performance Warranty





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ELECTRICAL CHARACTERISTICS

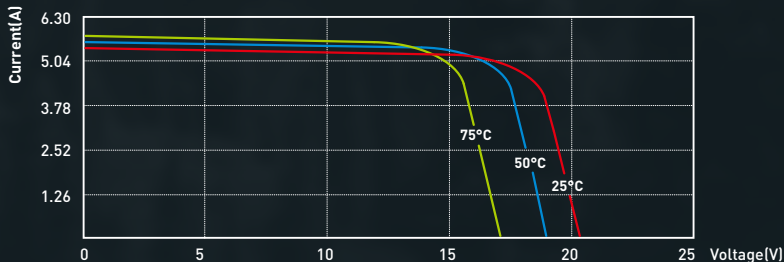
Type	NPA100S-12SFM
Power Output(W)	100W
Voltage MPP Vmp(V)	20.20V
Current MPP Imp(A)	4.96A
Voltage Open Circuit Voc(V)	24.40V
Short Circuit Current Isc(A)	5.31A
Temperature Coefficient Of Voc	-[80±10]mV/°C
Temperature Coefficient Of Isc	[0.065±0.015]%/°C
Temperature Coefficient Of Power	-[0.5±0.05]%/°C
NOCT (Air 20°C; Sun 0.8kW/m² wind 1m/s)	47±2°C

STC: 1000W/m² Irradiance, 25°C module temperature, AM1.5g spectrum according to EN 60904-3

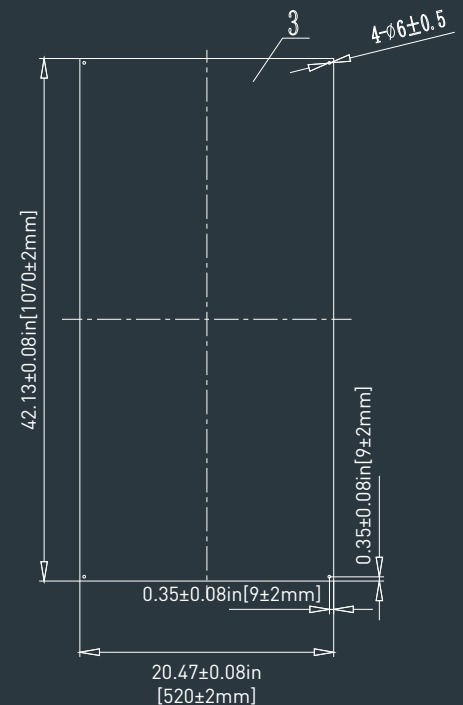
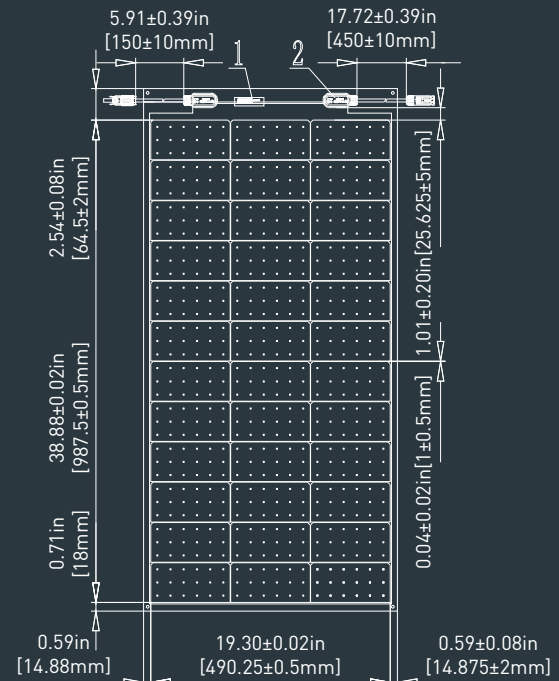
MECHANICAL CHARACTERISTICS

Cells	Monocrystalline Silicon
Solar Cells Grade	Class A High Efficiency
Module Dimension(in./mm)	42.13[1070]x20.47[520]x0.07[1.8]
Weight(lbs/kg)	3.09[1.40]
Packing Information(in./mm)	44.09[1120]x22.64[575]x1.38[35]/(1pc/ctn)

I-V CURVES (Irradiance: AM1.5, 1kw/m²)



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



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