



# NPA110S-09I

## Monocrystalline Module

54 Cell

Monocrystalline Module

110W

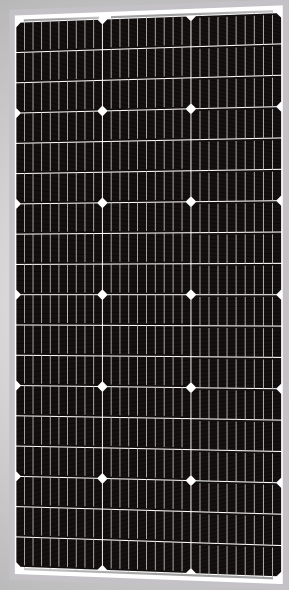
Power Output

22.9%

Maximum Efficiency

5%

Positive Tolerance



### Maximize Value

- Up to 110W front power and 22.9% max efficiency with 9BB Multibusbar technology enabling maximum BOS savings
- Multibusbar M6 Mono Half-Cell uplifted with PERC technology to guarantee higher output power and maximum module efficiency



### Extreme Weather Simulation

- Withstood 1.375" diameter hailstones falling at terminal velocity
- Rugged design with hail/snow tolerance up to 5400 Pa positive load and high wind tolerance up to 2400 Pa negative load



### Efficient Sorting Process

- Identify and mitigate against damaged/color-deviating/chipped cells
- Standardized cell efficiency testing to ensure optimal PV output



### Highly Reliable

- Robust encapsulation and diffusion barriers provide long term protection against PID damage
- Adaptability to temperatures below 0°F to 149°F

Product Certificate

IEC 61215, IEC 61730

Mangement Certificate

ISO 9001: 2016

Other certificate

Fire Rating Class C, TÜV Rheinland

Positive mechanical load

>5400Pa

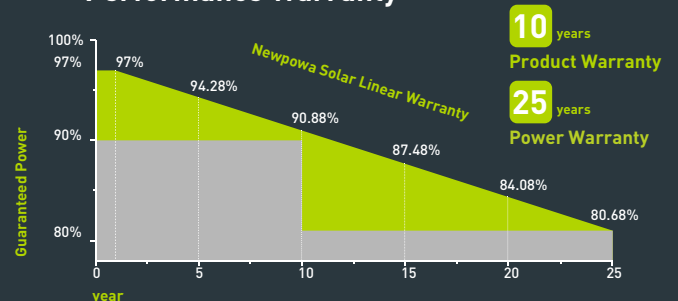
Positive Power Tolerance

0~+5W

Warranty

25-year Linear Power Warranty

### Performance Warranty



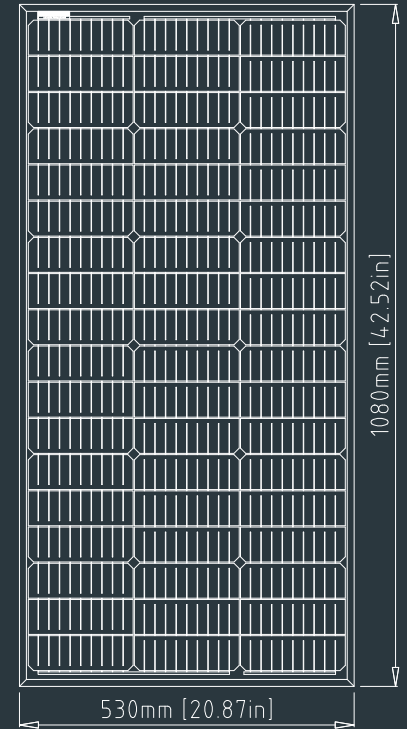
## ELECTRICAL CHARACTERISTICS

Type	NPA110S-09I
Power Output(W)	110W
Voltage MPP Vmp(V)	15.84V
Current MPP Imp(A)	6.96A
Voltage Open Circuit Voc(V)	18.18V
Short Circuit Current Isc(A)	7.34A
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

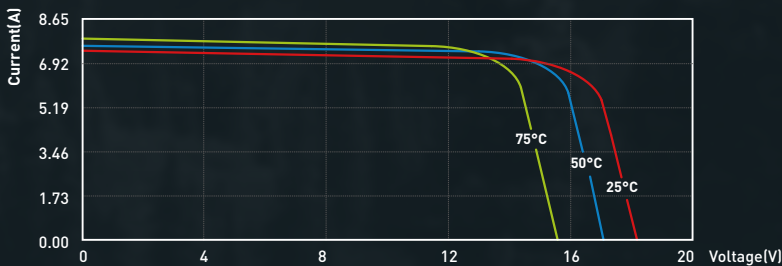
STC: 1000W/m<sup>2</sup> Irradiance, 25°C module temperature, AM1.5g spectrum according to EN 60904-3

## MECHANICAL CHARACTERISTICS

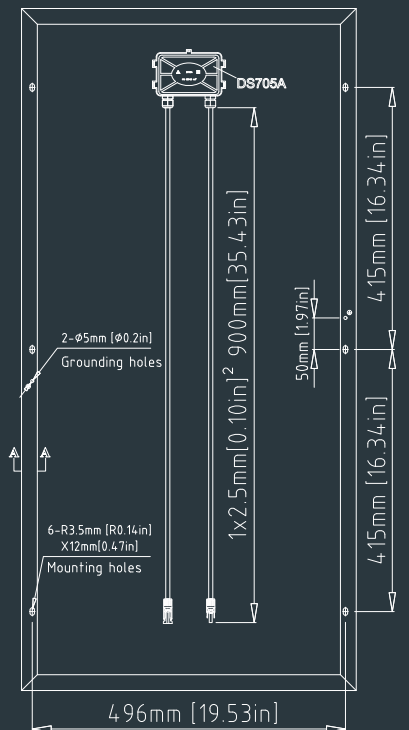
Cells	Monocrystalline Silicon
Solar Cells Grade	Class A High Efficiency
Module Dimension(mm/in.)	1080[42.52]x530[20.87]x30[1.18]
Weight(kg/lbs)	6.61[14.57]
Packing Information(mm/in.)	1130[44.49]x580[22.83]x57[2.56]/[1pc/ctn]



## 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.



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