

# NPA180S-12I

## Monocrystalline Module

60 Cell

Monocrystalline Module

180W

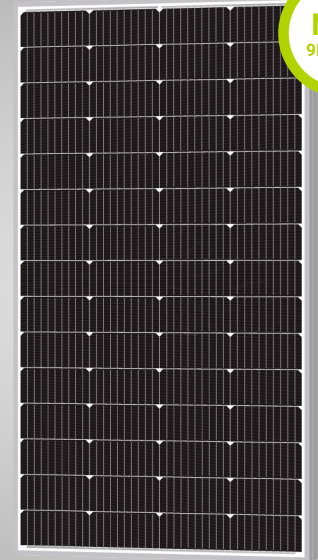
Power Output

21.3%

Maximum Efficiency

5%

Positive Tolerance



### 9BB Cell Technology

- 21.3% 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

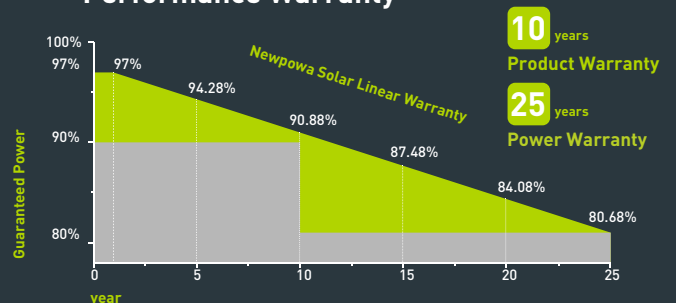


### Highly Reliable

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

Positive mechanical load >5400Pa  
 Positive Power Tolerance 0~+5W  
 Warranty 25-year Linear Power Warranty

### Performance Warranty



## ELECTRICAL CHARACTERISTICS

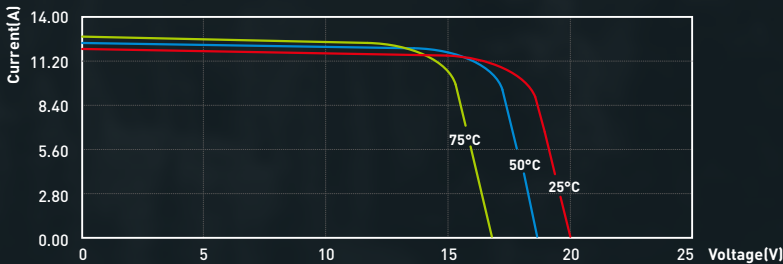
Type	NPA180S-12I
Power Output(W)	180W
Voltage MPP Vmp(V)	17.37V
Current MPP Imp(A)	10.40A
Voltage Open Circuit Voc(V)	20.04V
Short Circuit Current Isc(A)	10.97A
Temperature Coefficient Of Voc	-[80±10]mV/°C
Temperature Coefficient Of Isc	[0.065±0.015]%/°C
Temperature Coefficient Of Power	-[0.5±0.05]%/°C
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

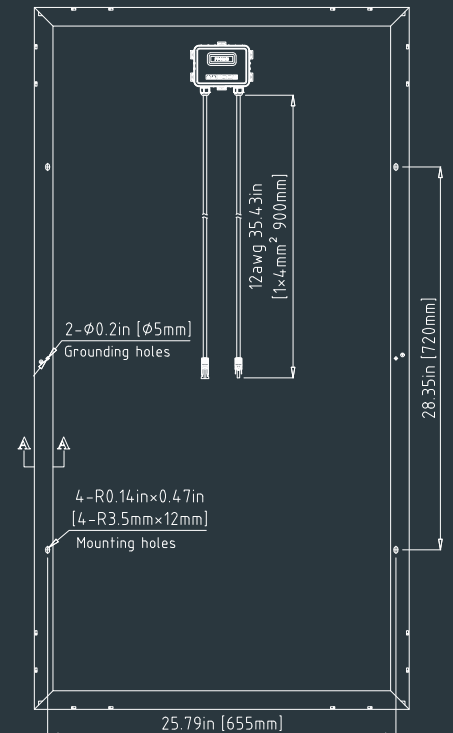
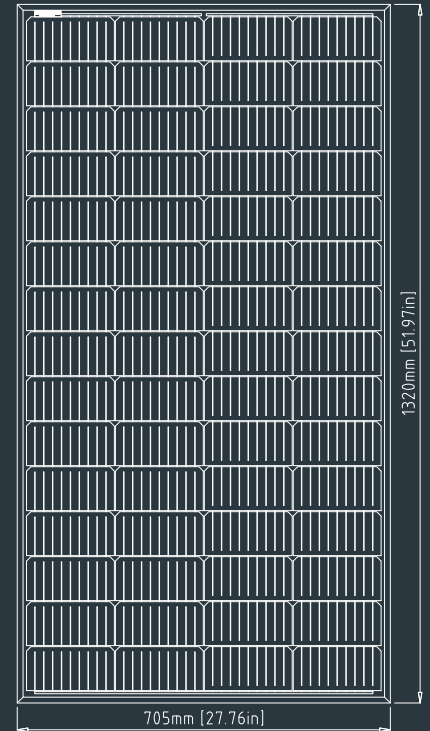
## MECHANICAL CHARACTERISTICS

Cells	Monocrystalline Silicon
Solar Cells Grade	Class A High Efficiency
Module Dimension(in./mm)	51.97[1320]x27.76[705]x1.38[35]
Weight(lbs/kg)	22.75[10.32]
Packing Information(in./mm)	53.54[1360]x29.33[745]x2.56[65]/(1pc/ctn)

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



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



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