

# NPA80D-12J-N

## Monocrystalline Module

33 Cell

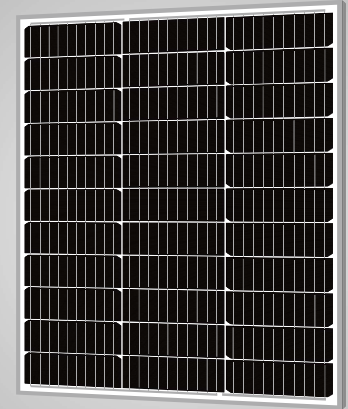
Monocrystalline Module

80W

Power Output

22.0%

Maximum Efficiency



### 10BB Cell Technology

- 22.0% max efficiency with 10BB Multibusbar technology enabling maximum BOS savings
- Multibusbar M10 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

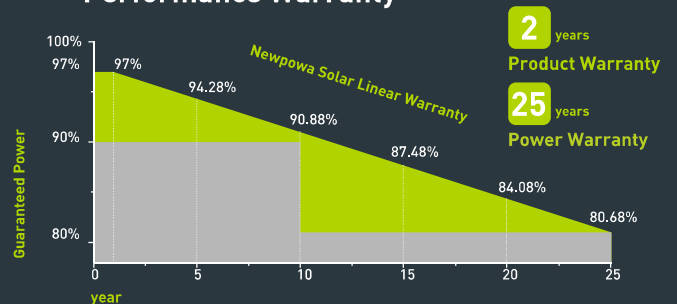


### Highly Reliable

- 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	NPA80D-12J-N
Power Output(W)	80W
Voltage MPP Vmp(V)	19.08V
Current MPP Imp(A)	4.20A
Voltage Open Circuit Voc(V)	22.35V
Short Circuit Current Isc(A)	4.47A
Temperature Coefficient Of Voc	-0.28%/°C
Temperature Coefficient Of Isc	+0.05%/°C
Temperature Coefficient Of Power	-0.36%/°C
NOCT (Air 20°C; Sun 0.8kW/m <sup>2</sup> wind 1m/s)	45±2°C

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

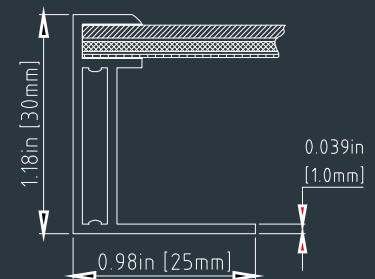
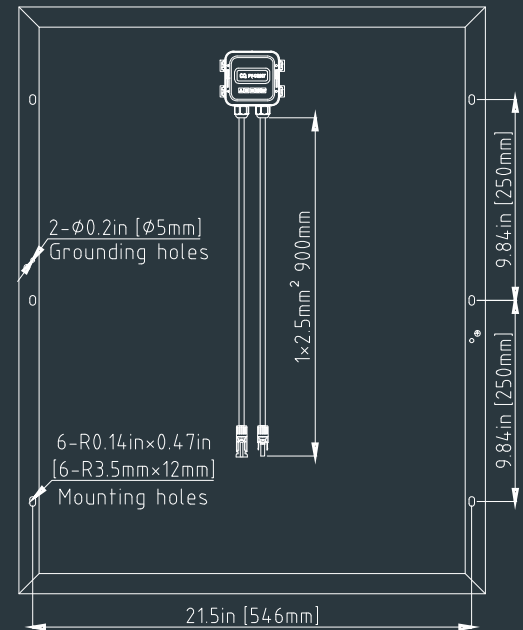
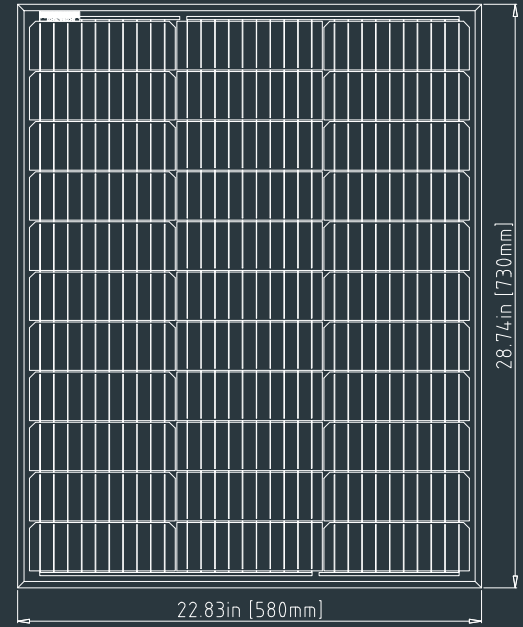
## MECHANICAL CHARACTERISTICS

Cells	Monocrystalline Silicon
Solar Cells Grade	Class A High Efficiency
Module Dimension(in./mm)	28.74[730]x22.83[580]x1.18[30]
Weight(lbs/kg)	10.97[4.98]
Packing Information	30.31[770]x24.02[610]x2.24[57]/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 final interpretation.



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