

NPA180S-12I

Monocrystalline Module

60 Cell

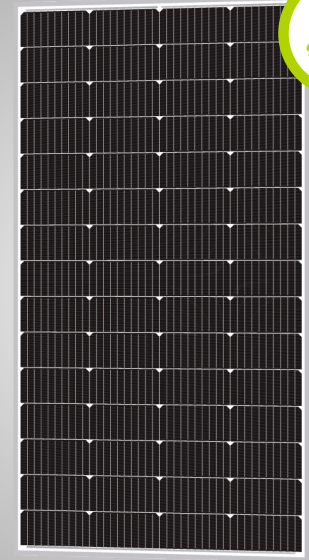
Monocrystalline Module

180W

Power Output

21.3%

Maximum Efficiency



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

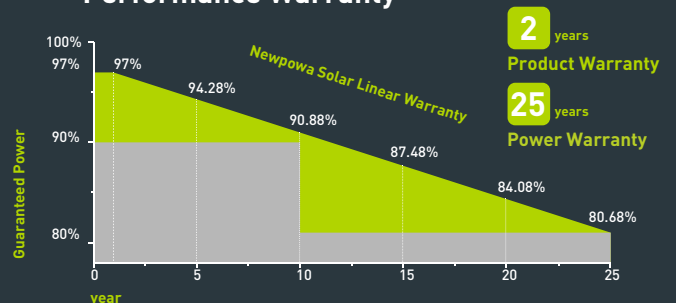


Highly Reliable

- 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

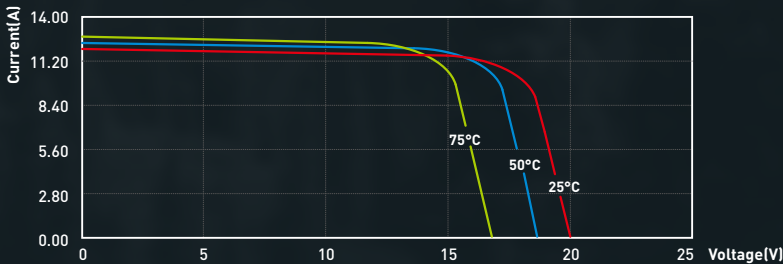
| | |
|---|-------------------|
| Type | NPA180S-12I |
| Power Output(W) | 180W |
| Voltage MPP Vmp(V) | 17.37V |
| Current MPP Imp(A) | 10.40A |
| Voltage Open Circuit Voc(V) | 20.04V |
| Short Circuit Current Isc(A) | 10.97A |
| Temperature Coefficient Of Voc | -[80±10]mV/°C |
| Temperature Coefficient Of Isc | [0.065±0.015]%/°C |
| Temperature Coefficient Of Power | -[0.5±0.05]%/°C |
| NOCT (Air 20°C; Sun 0.8kW/m ² wind 1m/s) | 47±2°C |

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

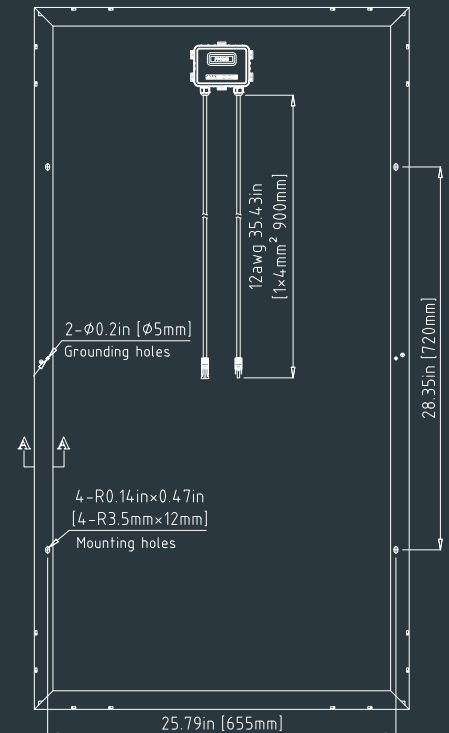
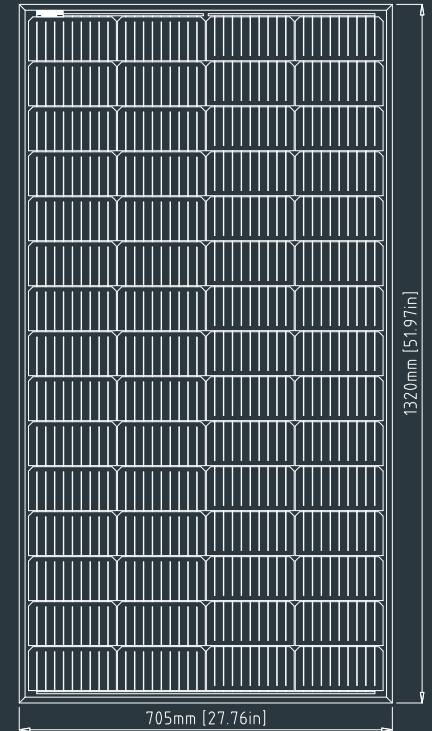
MECHANICAL CHARACTERISTICS

| | |
|-----------------------------|---|
| Cells | Monocrystalline Silicon |
| Solar Cells Grade | Class A High Efficiency |
| Module Dimension(in./mm) | 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/m²)



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



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