

# PR0100S-121

## Monocrystalline Module

36 Cell

Monocrystalline Module

100W

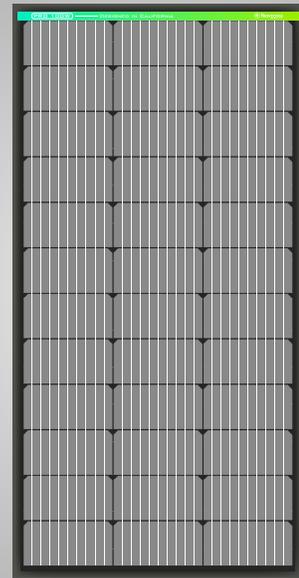
Power Output

21.5%

Maximum Efficiency

5%

Positive Tolerance



### 9BB Cell Technology

- 21.5% 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

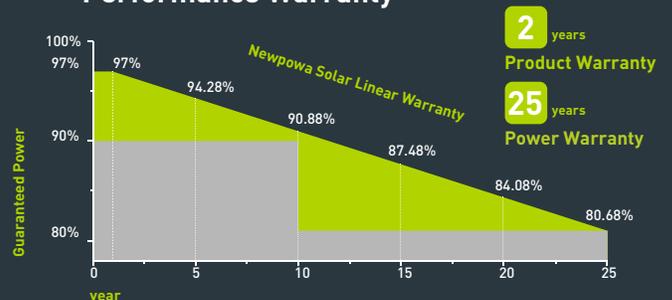


### Highly Reliable

- 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	PR0100S-12I
Power Output(W)	100W
Voltage MPP Vmp(V)	21.05V
Current MPP Imp(A)	4.76A
Voltage Open Circuit Voc(V)	24.29V
Short Circuit Current Isc(A)	5.02A
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

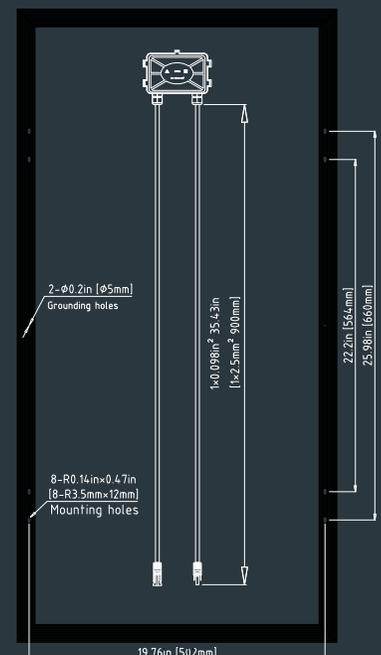
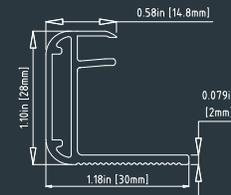
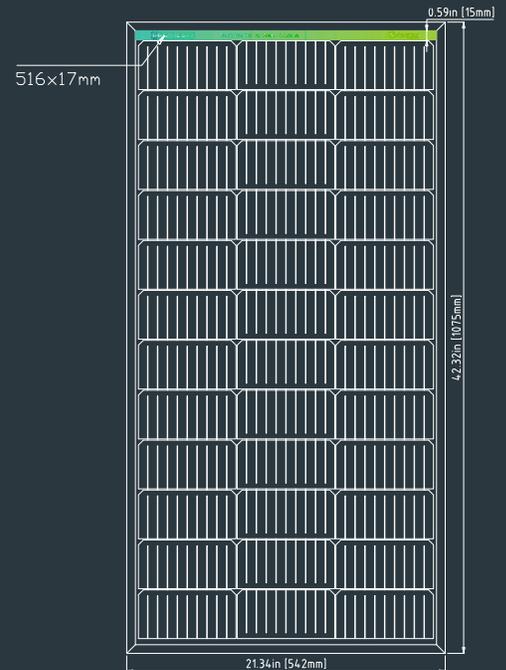
## MECHANICAL CHARACTERISTICS

Cells	Monocrystalline Silicon
Solar Cells Grade	Class A High Efficiency
Module Dimension(in./mm)	42.32[1075]x21.34[542]x1.1[28]
Weight(lbs/kg)	14.16[6.42]
Packing Information(in./mm)	44.10[1120]x23.11[587]x2.48[63]/(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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