Newpowa
BE WISE GO SOLAR

NPA100S-12J-N

Monocrystalline Module

30 Cell
Monocrystalline Module

100W
Power Output

22.1%
Maximum Efficiency

10BB Cell Technology

- 22.1% 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

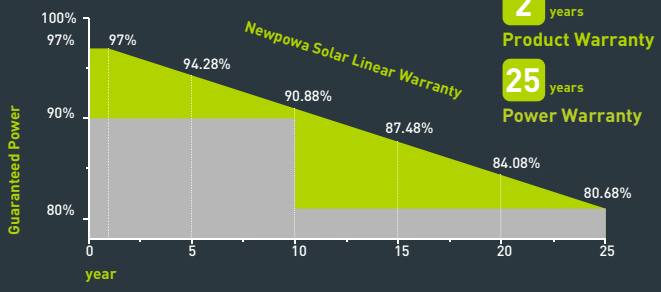
- Identify and mitigate against damaged/color-deviating/chipped cells
- Standardized cell efficiency testing to ensure optimal PV output

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	±3%
Warranty	25-year Linear Power Warranty

Performance Warranty



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ELECTRICAL CHARACTERISTICS

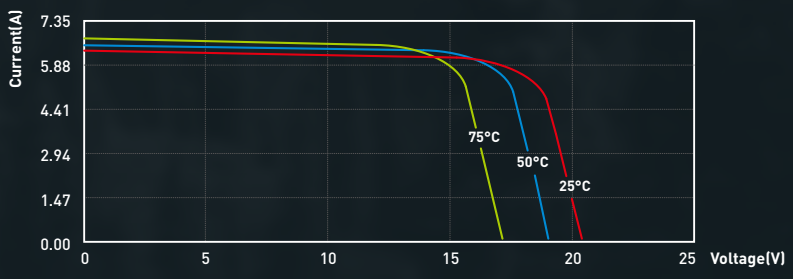
Type	NPA100S-12J-N
Power Output(W)	100W
Voltage MPP Vmp(V)	17.1V
Current MPP Imp(A)	5.85A
Voltage Open Circuit Voc(V)	20.4V
Short Circuit Current Isc(A)	6.21A
Temperature Coefficient Of Voc	-(80±10)mV/°C
Temperature Coefficient Of Isc	(0.065±0.015)%/°C
Temperature Coefficient Of Power	-(0.5±0.05)%/°C
NOCT (Air 20°C; Sun 0.8kW/m² wind 1m/s)	47±2°C

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

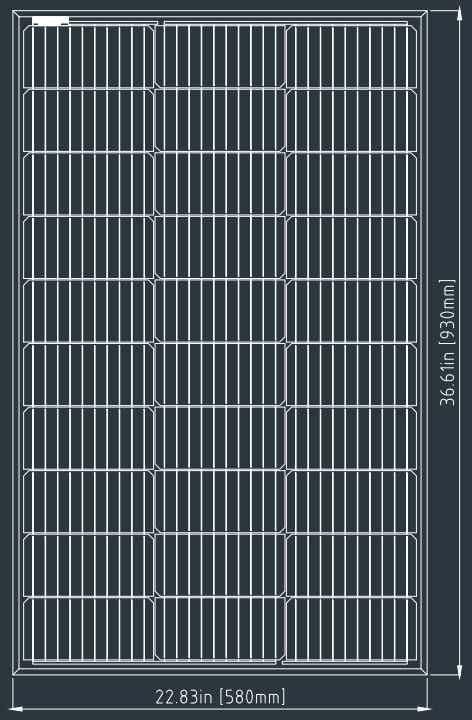
MECHANICAL CHARACTERISTICS

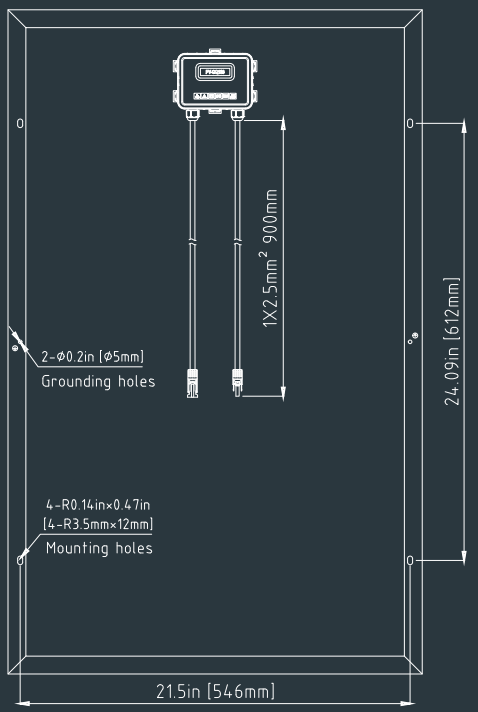
Cells	Monocrystalline Silicon
Solar Cells Grade	Class A High Efficiency
Module Dimension(in./mm)	36.61[930]x22.83[580]x1.18[30]
Weight(lbs/kg)	13.72[6.22]
Packing Information(in./mm)	38.39[975]x24.61[625]x2.56[65]/(1pc/ctn)

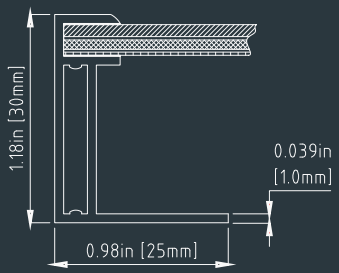
I-V CURVES (Irradiance: AM1.5, 1kw/m²)



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







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