

NPA220S-12J

Monocrystalline Module

60 Cell

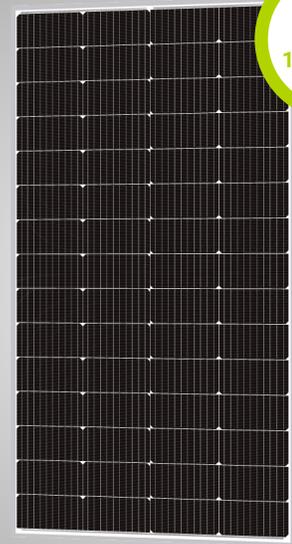
Monocrystalline Module

220W

Power Output

22.4%

Maximum Efficiency



NEW
10BB Cells



10BB Cell Technology

- 22.4% 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

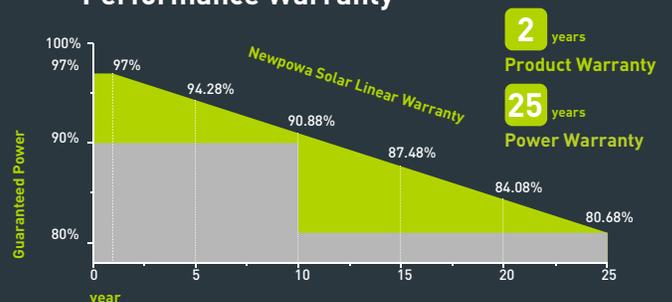


Highly Reliable

- 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

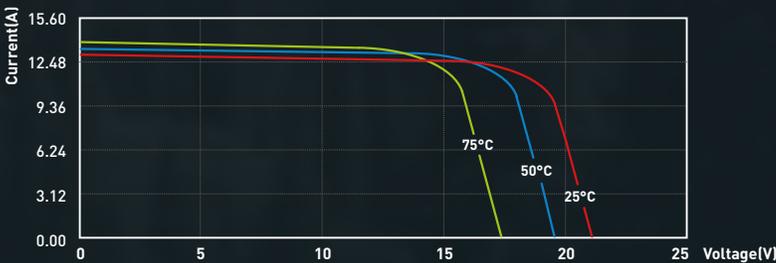
Type	NPA220S-12J
Power Output(W)	220W
Voltage MPP Vmp(V)	17.52V
Current MPP Imp(A)	12.60A
Voltage Open Circuit Voc(V)	20.52V
Short Circuit Current Isc(A)	13.41A
Temperature Coefficient Of Voc	-(80±10)mV/°C
Temperature Coefficient Of Isc	[0.065±0.015]% /°C
Temperature Coefficient Of Power	-(0.5±0.05)% /°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

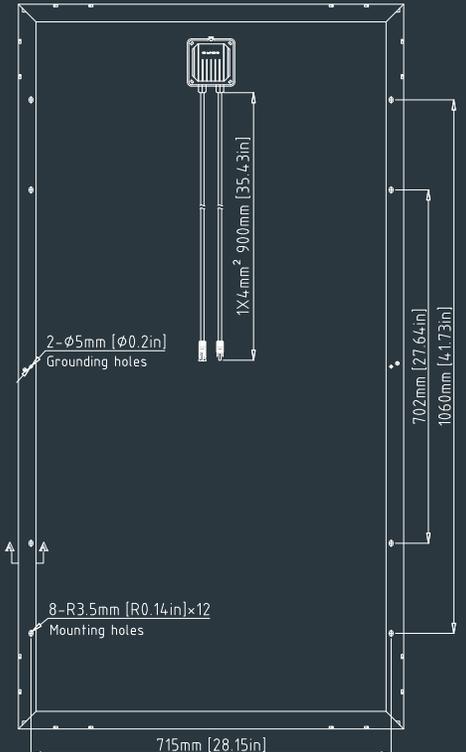
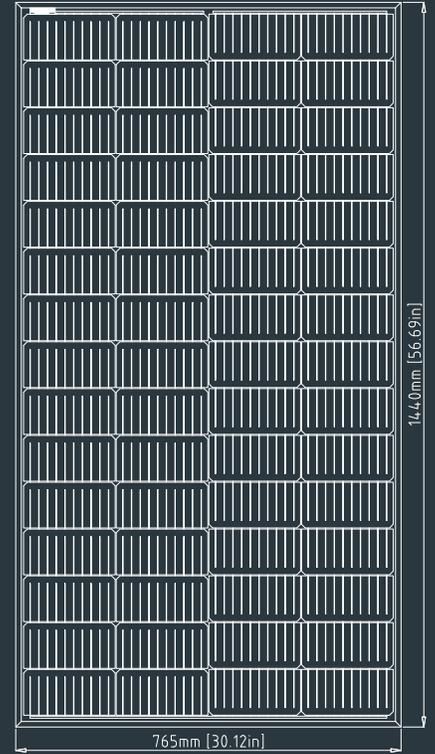
MECHANICAL CHARACTERISTICS

Cells	Monocrystalline Silicon
Solar Cells Grade	Class A High Efficiency
Module Dimension(in./mm)	56.69[1440]x30.12[765]x1.38[35]
Weight(lbs/kg)	26.62[12.07]
Packing Information(in./mm)	58.27[1480]x30.12[765]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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