

NPA180S-12J

Monocrystalline Module

32 Cell

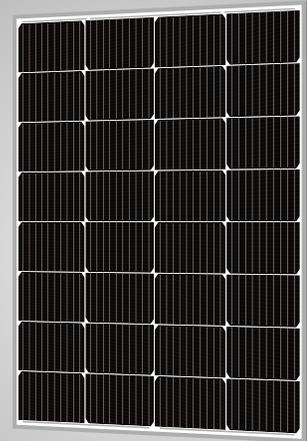
Monocrystalline Module

180W

Power Output

22.6%

Maximum Efficiency



High Efficiency

Module Efficiency improved through advanced cell technology and manufacturing capabilities



High Performance Cost Ratio

Provide industry advanced cell technology and qualified materials at affordable prices



Efficient Sorting Process

System output maximized by reducing mismatch losses up to 2% with modules sorted & packaged by amperage

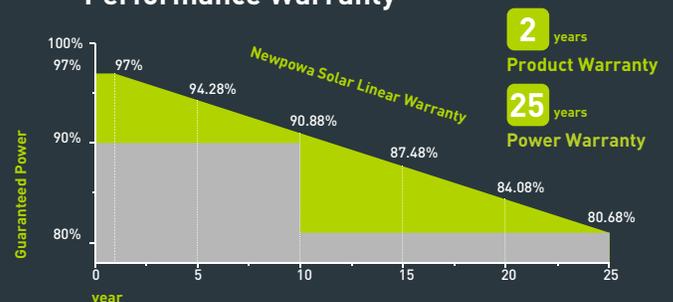


Highly Reliable

Solid encapsulation and diffusion barriers provides long term protection against PID damage, built to handle 5,400 Pa of front load, rear side 2,400Pa, Hailstone Test at 1.375 inches in diameter falling at terminal velocity through the sky.

Positive mechanical load >5400Pa
 Positive Power Tolerance 0~+5W
 Warranty 25-year Linear Power Warranty

Performance Warranty



ELECTRICAL CHARACTERISTICS

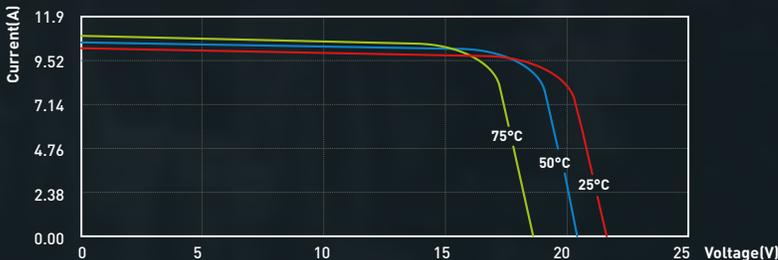
Type	NPA180S-12J
Power Output(W)	180W
Voltage MPP Vmp(V)	18.62V
Current MPP Imp(A)	9.44A
Voltage Open Circuit Voc(V)	21.86V
Short Circuit Current Isc(A)	10.05A
Temperature Coefficient Of Voc	-0.28%/°C
Temperature Coefficient Of Isc	+0.05%/°C
Temperature Coefficient Of Power	-0.36%/°C
NOCT (Air 20°C; Sun 0.8kW/m ² wind 1m/s)	45±2°C

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

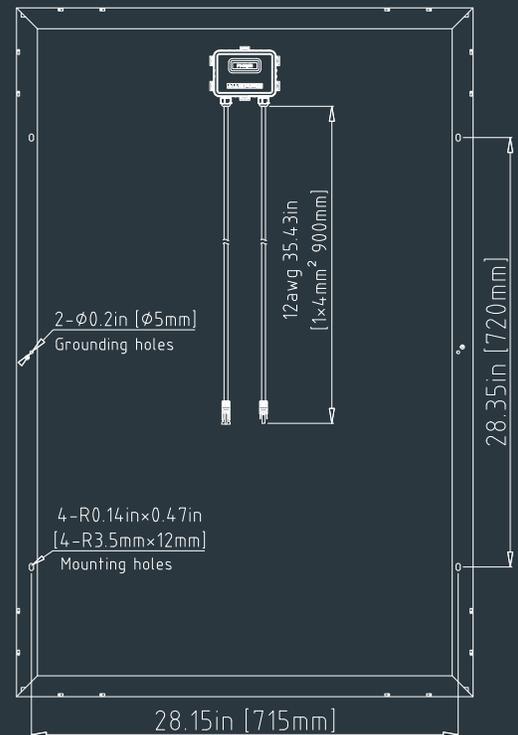
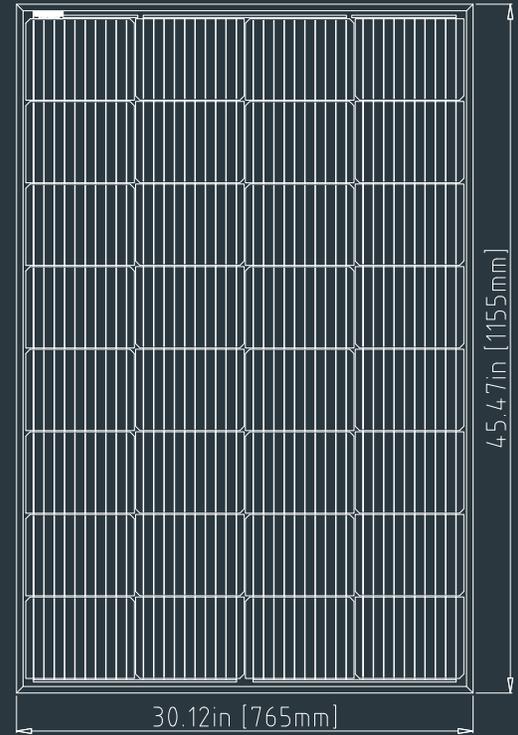
MECHANICAL CHARACTERISTICS

Cells	Monocrystalline Silicon
Solar Cells Grade	Class A High Efficiency
Module Dimension(in./mm)	45.47[1155]x30.12[765]x1.38[35]
Weight(lbs/kg)	21.60[9.80]
Packing Information	47.56[1208]x32.2[818]x2.48[63]/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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