

# NPA60S-12K-N

## Monocrystalline Module

32 Cell

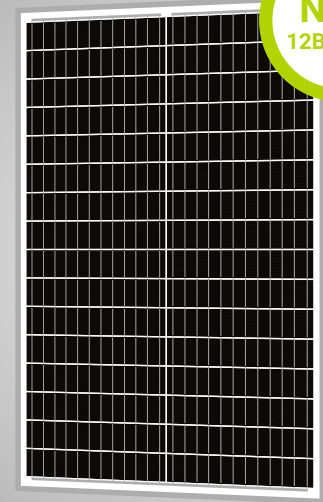
Monocrystalline Module

60W

Power Output

21.3%

Maximum Efficiency



### 12BB Cell Technology

- 21.3% max efficiency with 12BB Multibusbar technology enabling maximum BOS savings
- Multibusbar G12 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

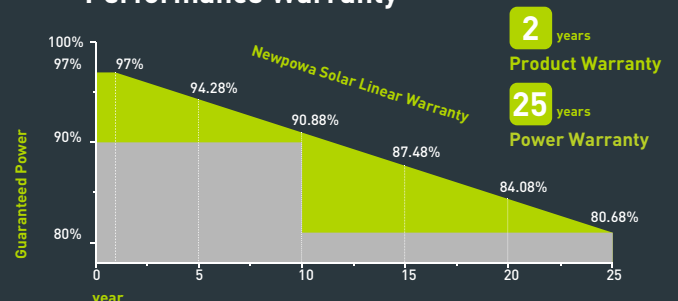


### Highly Reliable

- 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

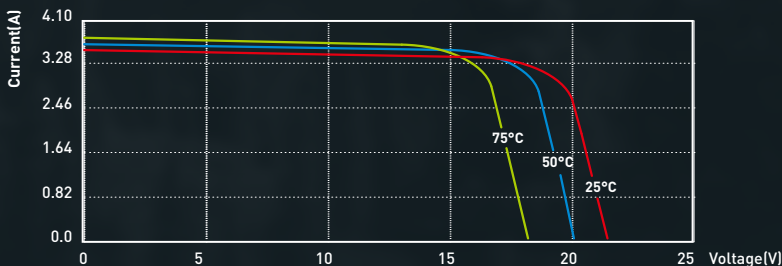
Type	NPA60S-12K-N
Power Output(W)	60W
Voltage MPP Vmp(V)	18.28V
Current MPP Imp(A)	3.29A
Voltage Open Circuit Voc(V)	21.61V
Short Circuit Current Isc(A)	3.48A
Temperature Coefficient Of Voc	-[80±10]mV/°C
Temperature Coefficient Of Isc	[0.065±0.015]/°C
Temperature Coefficient Of Power	-[0.5±0.05]/°C
NOCT (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)	29.53[750]x17.95[456]x1.18[30]
Weight(lbs/kg)	9.10[4.13]
Packing Information(in./mm)	31.3[795]x19.72[501]x2.56[65]/(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.

