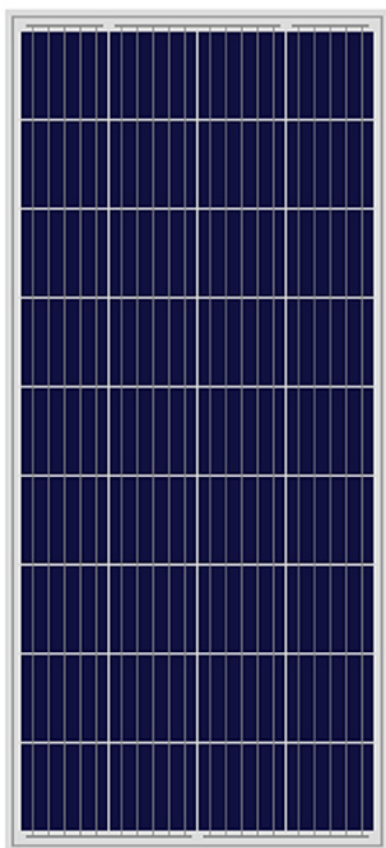


Nelson 36P 160 Watt POLY-CRYSTALLINE MODULE

Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004
certified factory.
IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 160 Wp and 17.30 % efficiency, highest performing module of its kind on the market.



Low-light Performance:

Excellent performance in low-light environments.



Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.



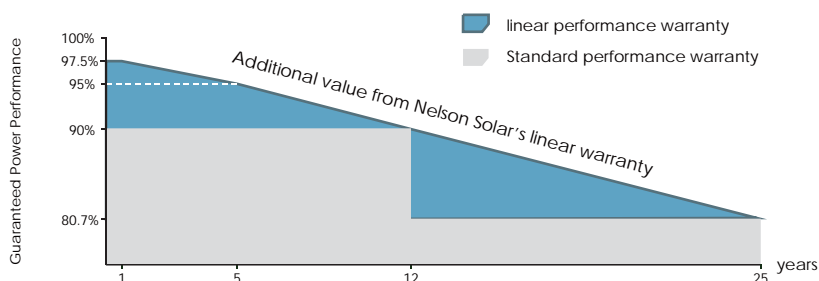
5 Busbar Solar Cell:

No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

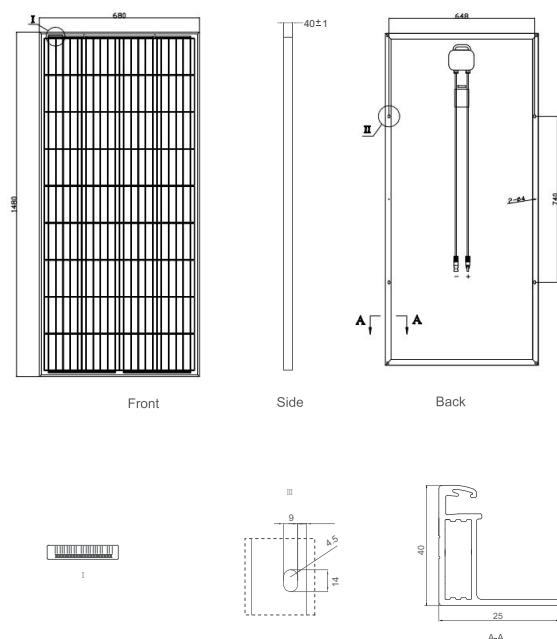


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



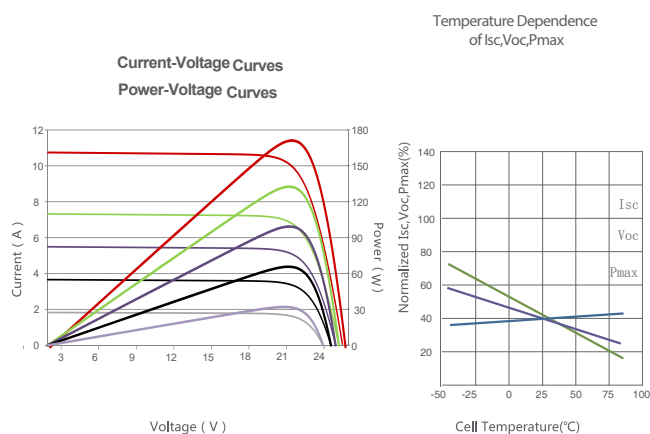
Engineering Drawings



Packaging Configuration

1680 pcs/40'HQ Container; 1920 pcs/45'HQ

Electrical Performance & Temperature Dependence




Mechanical Characteristics

Cell Type	Poly-crystalline 156.75×156.75mm (6 inch)
No. of cells	36 (4×9)
Dimensions	1480×680×40mm (58.30×26.80×1.57 inch)
Weight	10.5 kg (23.3 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP65 Rated
Output Cables	TÜV 1×4.0mm ² , Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-36-160P	
	STC	NOCT
Maximum Power (Pmax)	160Wp	118Wp
Maximum Power Voltage (Vmp)	18.6V	17.2V
Maximum Power Current (Imp)	8.60A	6.86A
Open-circuit Voltage (Voc)	22.7V	21.6V
Short-circuit Current (Isc)	9.03A	7.28A
Efficiency STC (%)	17.30%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1000VDC (IEC)	
Maximum series fuse rating	15A	
Power tolerance	0~+5W	
Temperature coefficients of Pmax	-0.41%/°C	
Temperature coefficients of Voc	-0.31%/°C	
Temperature coefficients of Isc	0.06%/°C	
Nominal operating cell temperature (NOCT)	45±2°C	

*STC:  Irradiance 1000W/m²  Cell Temperature 25°C AM=1.5NOCT:  Irradiance 800W/m²  Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

* Power measurement tolerance: ± 3%