NELSON SOLAR®

www.nelsonsolar.com

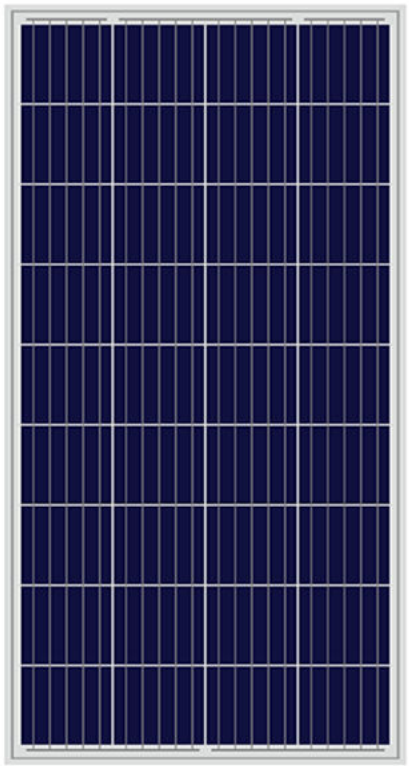
Nelson 36P
120 Watt

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 120 Wp and 17.00 % efficiency, highest performing module of its kind on the market.

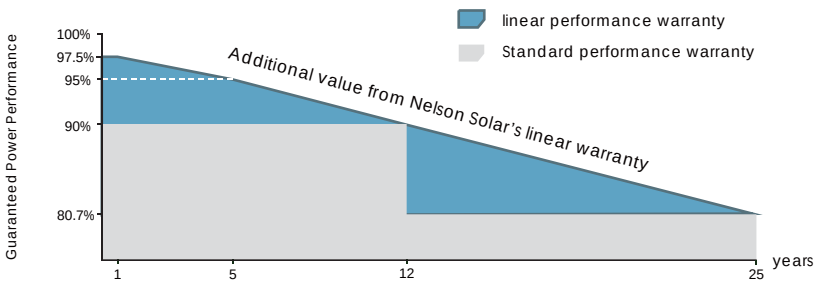
Low-light Performance:
Excellent performance in low-light environments.

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



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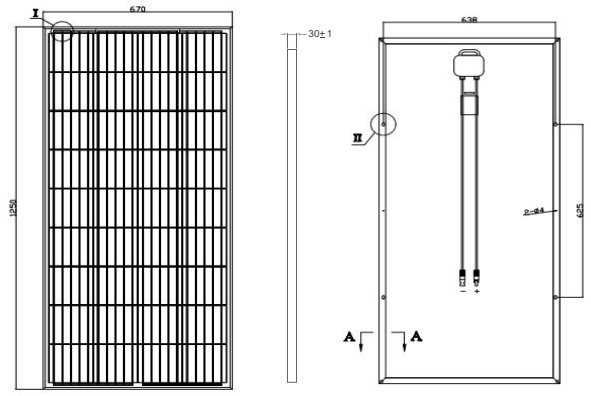
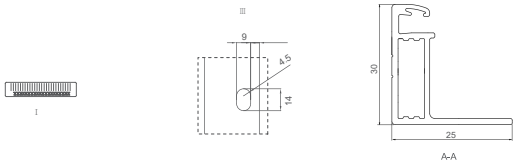
Engineering Drawings

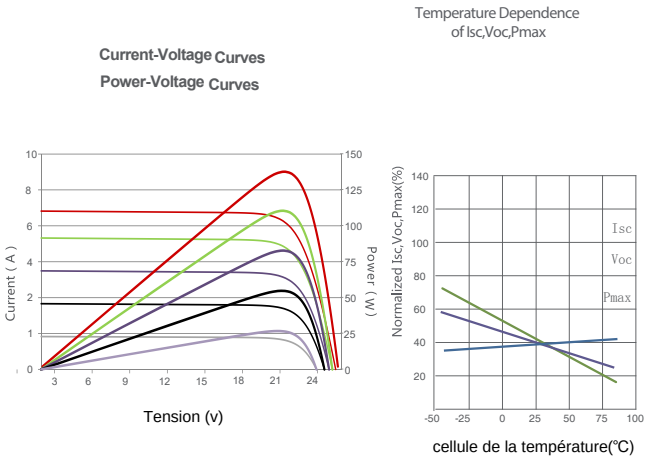




Packaging Configuration

2350 pcs/40'HQ Container;2650 pcs/45'HQ

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Poly-crystalline 156.75×130.00mm
No.of cells	36 (4×9)
Dimensions	1250×670×30mm (49.20×26.40×1.18 inch)
Weight	8.0 kg (17.7 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-36-120P	
	STC	NOCT
Maximum Power (Pmax)	120Wp	89Wp
Maximum Power Voltage (Vmp)	18.5V	17.0V
Maximum Power Current (Imp)	6.49A	5.24A
Open-circuit Voltage (Voc)	22.7V	21.2V
Short-circuit Current (Isc)	6.80A	5.52A
Efficiency STC (%)	17.00%	
Operating Temperature(℃)	-40℃~+85℃	
Maximum system voltage	1000VDC	
Maximum series fuse rating	15A	
Power tolerance	0~+5W	
Temperature coefficients of Pmax	-0.41%℃	
Temperature coefficients of Voc	-0.31%℃	
Temperature coefficients of Isc	0.06%/℃	
Nominal operating cell temperature (NOCT)	45±2℃	

*STC: Irradiance 1000W/m^2 Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m^2 Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

* Power measurement tolerance: ± 3%