

# Nelson 36M 120 Watt MONO-CRYSTALLINE MODULE

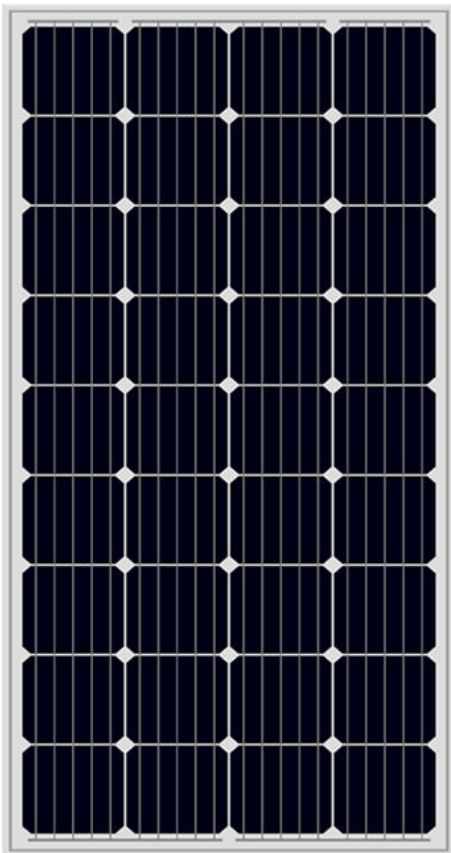
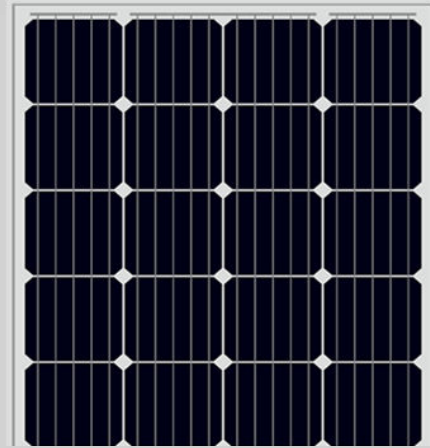
Positive power tolerance of 0~+5W

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.

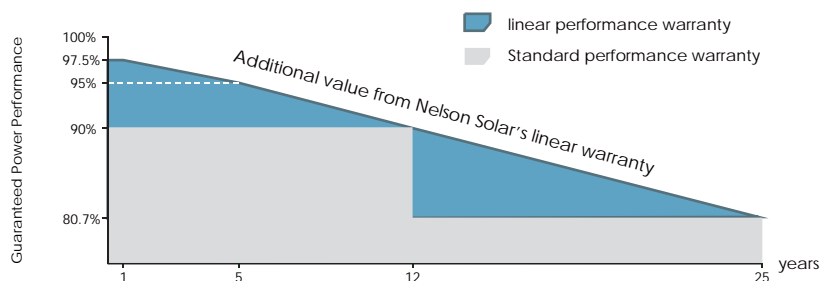


### 5 Busbar Solar Cell:

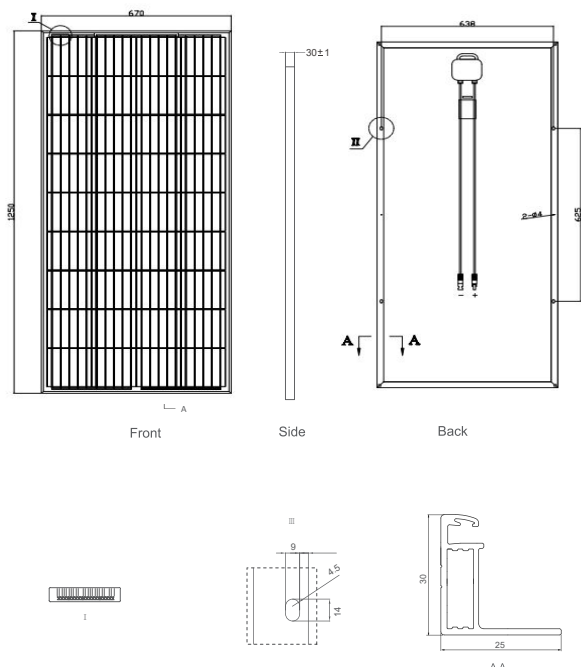
No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



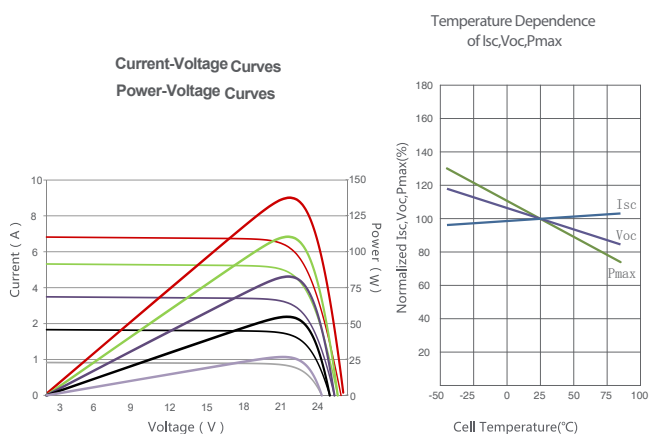
## Engineering Drawings



## Packaging Configuration

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

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	Mono-crystalline 156.00×130.00mm
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 <sup>2</sup> , Length: 900mm or Customized Length

## SPECIFICATIONS

Module Type	NS-36-120M	
	STC	NOCT
Maximum Power (Pmax)	120Wp	89Wp
Maximum Power Voltage (Vmp)	18.3V	17.0V
Maximum Power Current (Imp)	6.56A	5.24A
Open-circuit Voltage (Voc)	22.5V	21.2V
Short-circuit Current (Isc)	6.90A	5.52A
Efficiency STC (%)	17.00%	
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/m<sup>2</sup> Cell Temperature 25°C AM=1.5

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

\* Power measurement tolerance: ± 3%