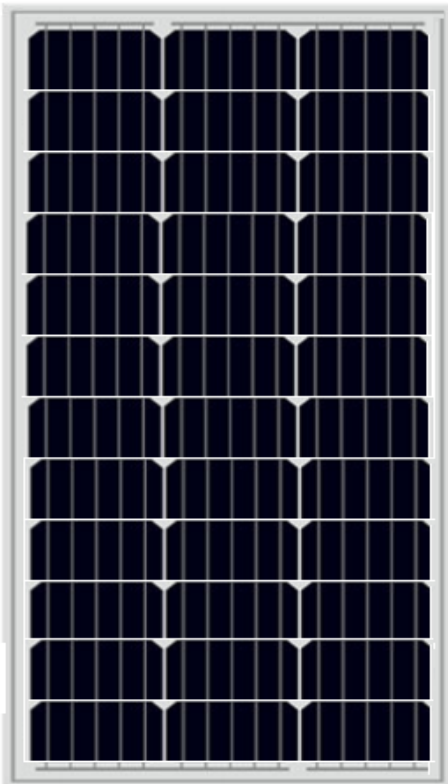
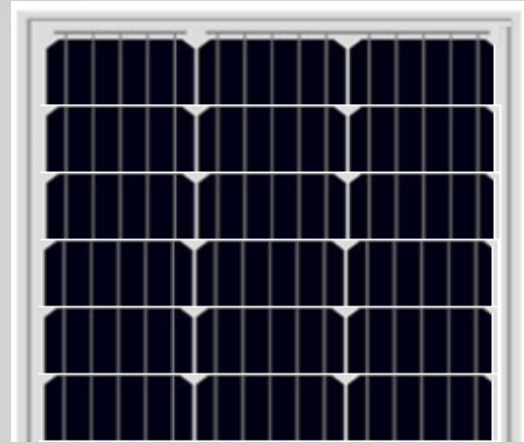


Nelson 36M 80 Watt MONO-CRYSTALLINE MODULE

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 **80Wp** and **16.60%** 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.



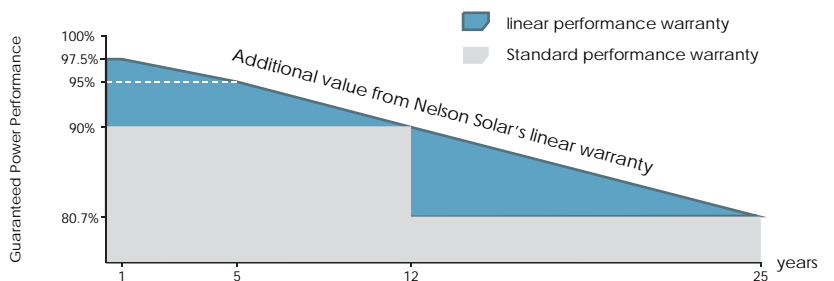
5 Busbar Solar Cell:

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

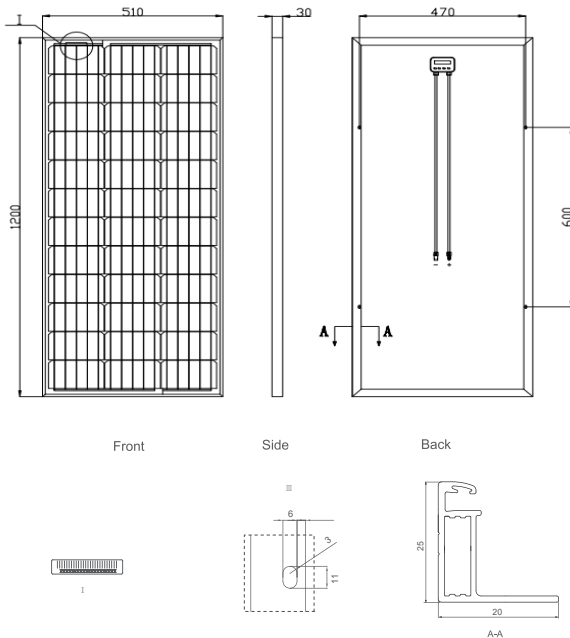


LINEAR PERFORMANCE WARRANTY

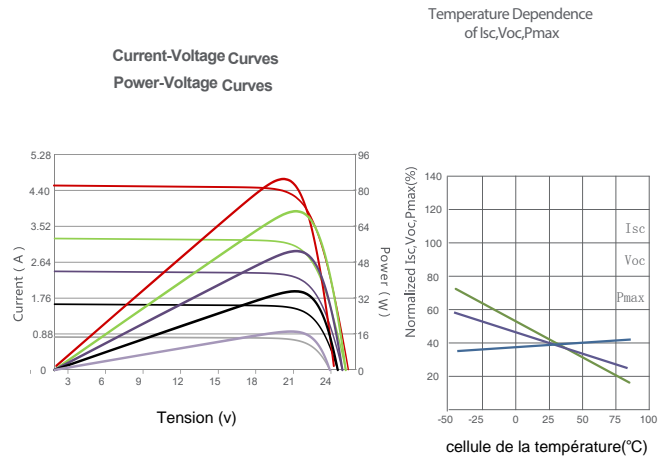
10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings



Electrical Performance & Temperature Dependence



Packaging Configuration

2PCS/CTN

3280pcs/40'HQContainer

Mechanical Characteristics

Cell Type	Mono-crystalline 156.75×93.60mm
No. of cells	36(3×12)
Dimensions	1200×510×30mm
Weight	6.25kg
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-36-80M
	STC NOCT
Maximum Power (Pmax)	80Wp 62Wp
Maximum Power Voltage (Vmp)	18.0V 16.4V
Maximum Power Current (Imp)	4.45A 3.78A
Open-circuit Voltage (Voc)	22.1V 20.5V
Short-circuit Current (Isc)	4.68A 3.97A
Efficiency STC (%)	16.60%
Operating Temperature(°C)	-40°C~+85°C
Maximum system voltage	1000VDC
Maximum series fuse rating	10A
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=1.5

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