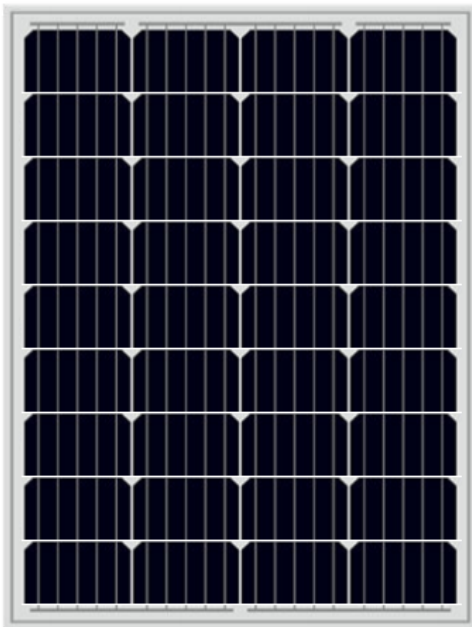


Nelson 36M 100 Watt MONO-CRYSTALLINE MODULE

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 100 Wp and 16.80 % 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.



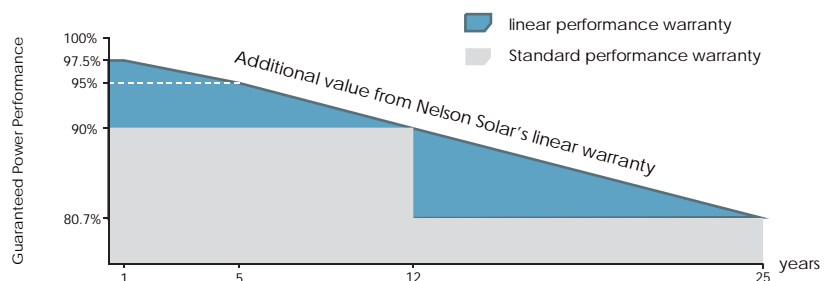
5 Busbar Solar Cell:

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

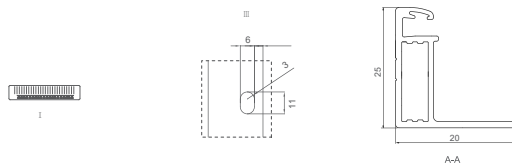
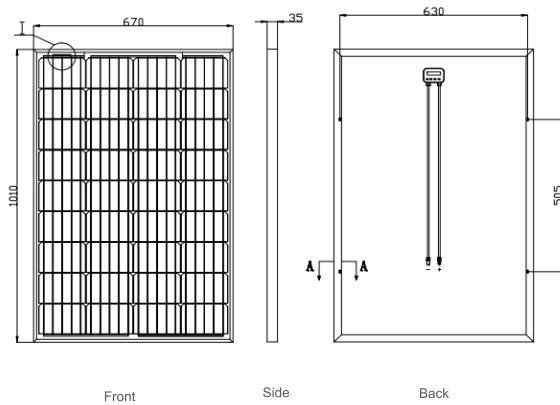


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

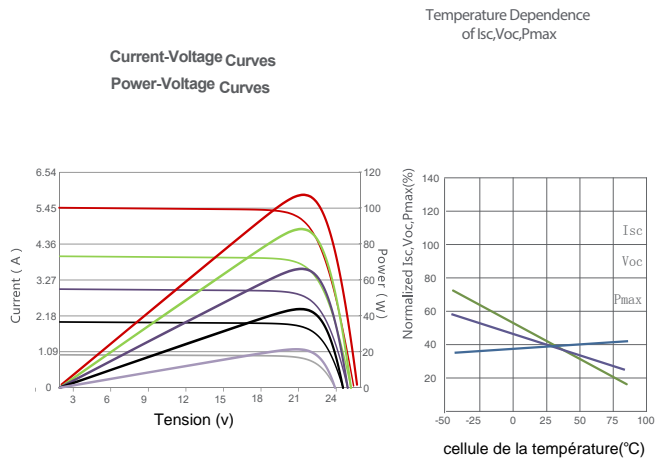


Packaging Configuration

2PCS/CTN

2890pcs/40'HQContainer

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono-crystalline 156.75×104.00mm
No. of cells	36(4×9)
Dimensions	1010×670×30mm
Weight	6.90kg
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-36-100M
	STC NOCT
Maximum Power (Pmax)	100Wp 72Wp
Maximum Power Voltage (Vmp)	18.1V 16.5V
Maximum Power Current (Imp)	5.53A 4.36A
Open-circuit Voltage (Voc)	22.0V 20.6V
Short-circuit Current (Isc)	5.82A 4.62A
Efficiency STC (%)	16.80%
Operating Temperature(°C)	-40°C~+85°C
Maximum system voltage	1000VDC
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=1.5

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