

Nelson 36M 30Watt

POLY-CRYSTALLINE MODULE

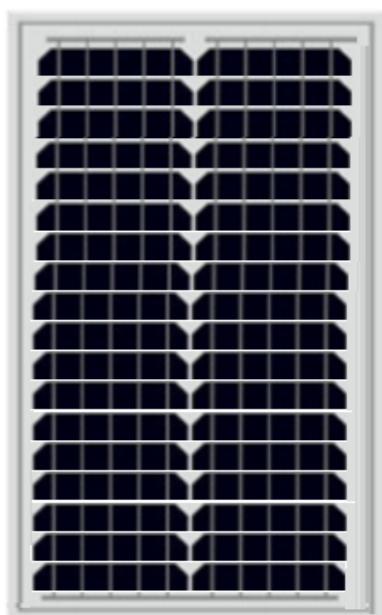
Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004

certified factory.

IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 30Wp and 16.20 % 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.



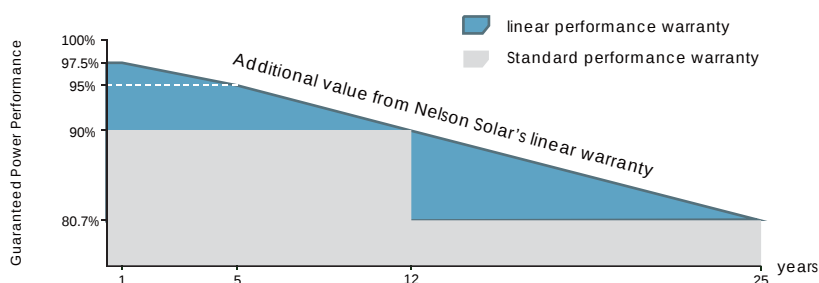
5 Busbar Solar Cell:

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

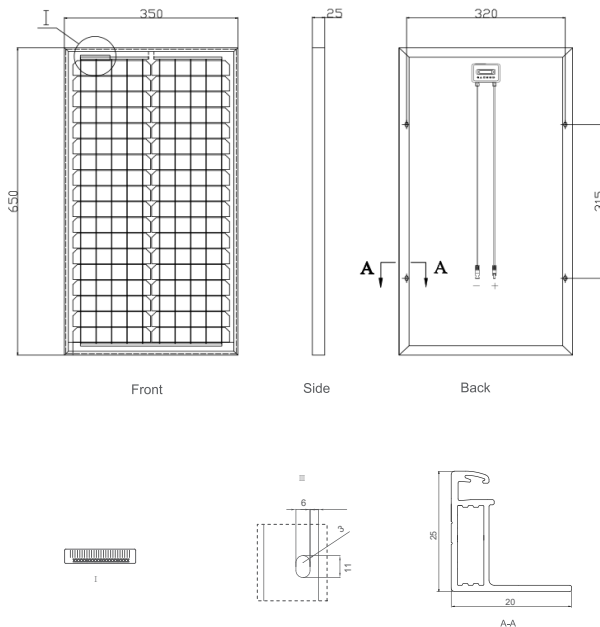


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

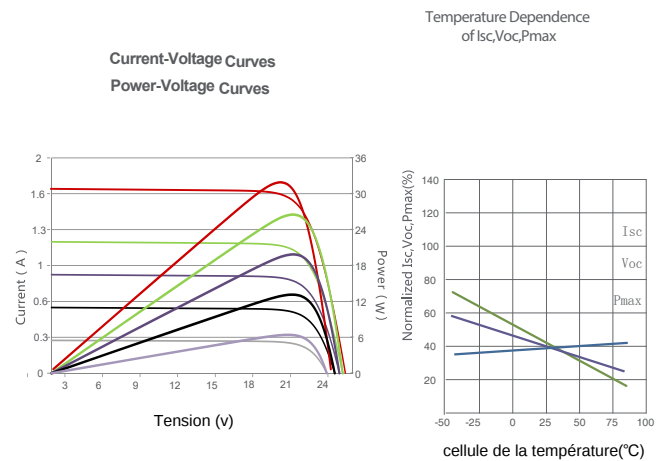


Packaging Configuration

10PCS/CTN

10000pcs/40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono-crystalline 156.75×31.20mm
No. of cells	36(2×18)
Dimensions	650×350×25mm
Weight	2.4kg
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-36-30M	
	STC	NOCT
Maximum Power (P_{max})	30Wp	20Wp
Maximum Power Voltage (V_{mp})	18.0V	16.4V
Maximum Power Current (I_{mp})	1.67A	1.22A
Open-circuit Voltage (V_{oc})	22.1V	20.5V
Short-circuit Current (I_{sc})	1.75A	1.28A
Efficiency STC (%)	16.20%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	600VDC	
Maximum series fuse rating	10A	
Power tolerance	0~+5W	
Temperature coefficients of P_{max}	-0.41%/°C	
Temperature coefficients of V_{oc}	-0.31%/°C	
Temperature coefficients of I_{sc}	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

* Power measurement tolerance: ± 3%