

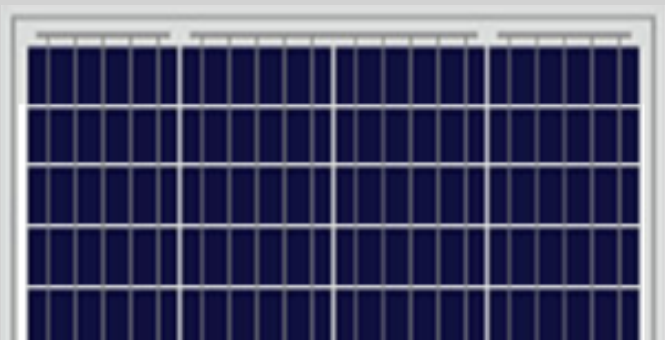
Nelson 36P 50Watt

POLY-CRYSTALLINE MODULE

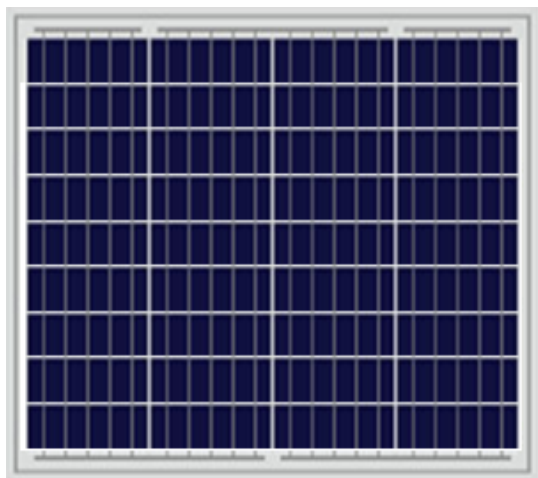
Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004
certified factory.
IEC61215, IEC61730 certified products.

(5BB)



KEY FEATURES



High Power Output:

With up to 50Wp and 16.40 % 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.



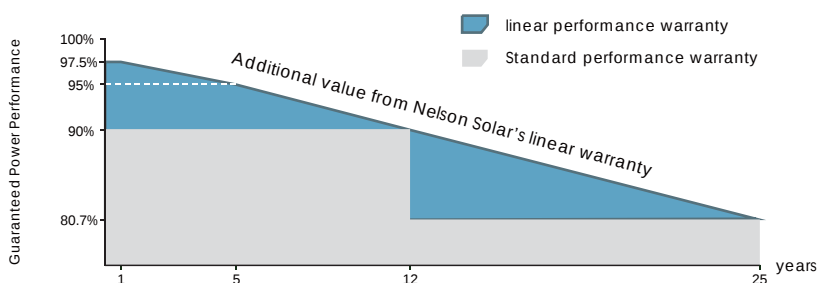
5 Busbar Solar Cell:

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

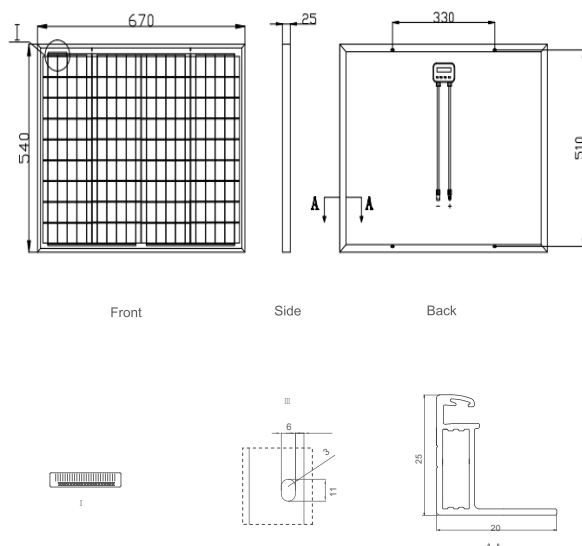


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

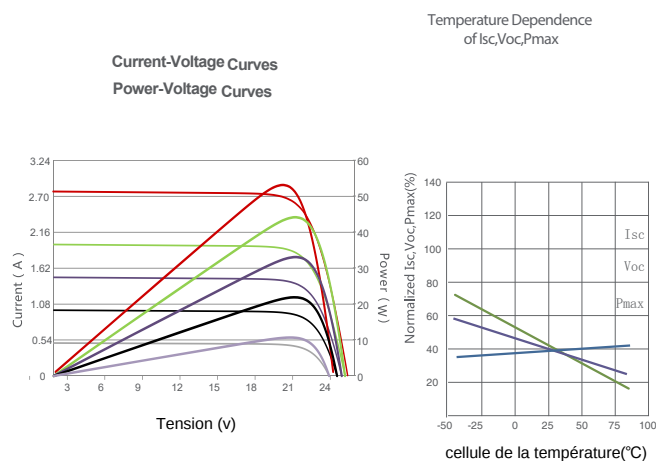


Packaging Configuration

5PCS/CTN

6460pcs/40'HQContainer

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Poly-crystalline 156.75×52.00mm
No. of cells	36(4×9)
Dimensions	540×670×25mm
Weight	4.20kg
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-36-50P
	STC NOCT
Maximum Power (P_{max})	50Wp 36Wp
Maximum Power Voltage (V_{mp})	18.0V 16.4V
Maximum Power Current (I_{mp})	2.78A 2.20A
Open-circuit Voltage (V_{oc})	22.1V 20.5V
Short-circuit Current (I_{sc})	2.92A 2.30A
Efficiency STC (%)	16.40%
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