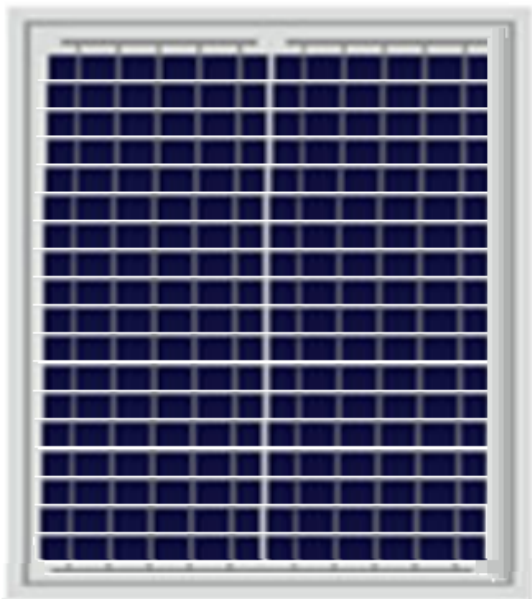


Nelson 36P 20 Watt POLY-CRYSTALLINE MODULE

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 20Wp and **16.10 %** 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.



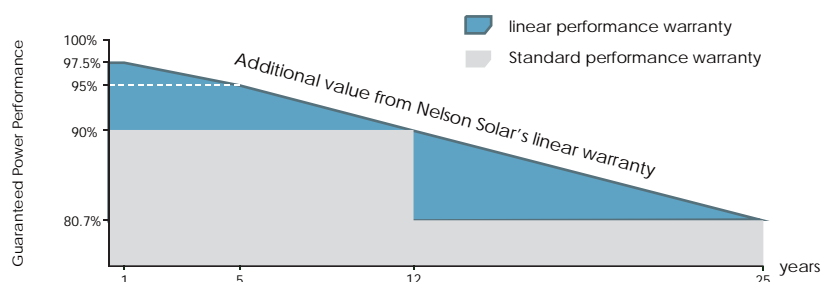
5 Busbar Solar Cell:

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

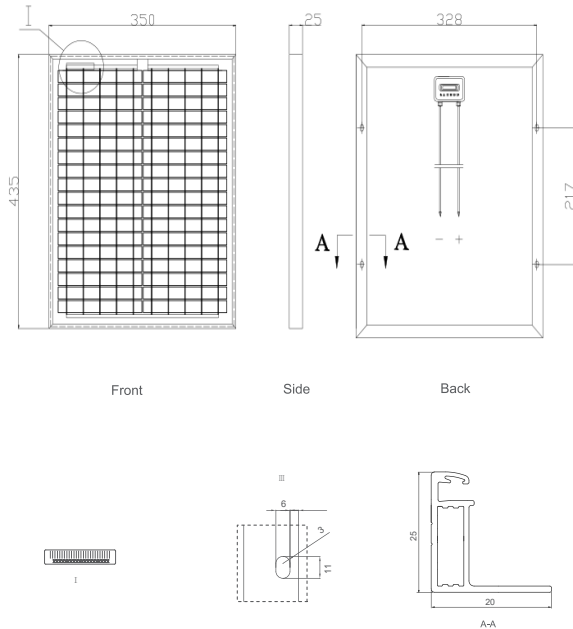


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



Engineering Drawings

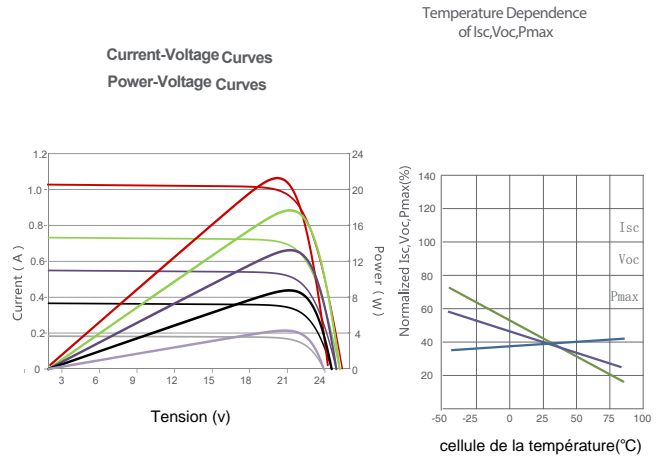


Packaging Configuration

10PCS/CTN

10000pcs/40'HQContainer

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Poly-crystalline 156.75×19.50mm
No. of cells	36(2×18)
Dimensions	435×350×25mm
Weight	1.6kg
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: 600mm or Customized Length

SPECIFICATIONS

Module Type	NS-36-20P	
	STC	NOCT
Maximum Power (Pmax)	20Wp	12Wp
Maximum Power Voltage (Vmp)	18.0V	15.6V
Maximum Power Current (Imp)	1.11A	0.77A
Open-circuit Voltage (Voc)	22.1V	19.1V
Short-circuit Current (Isc)	1.16A	0.80A
Efficiency STC (%)	16.10%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	600VDC	
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

* Power measurement tolerance: ± 3%