NELSON SOLAR®

www.nelsonsolar.com

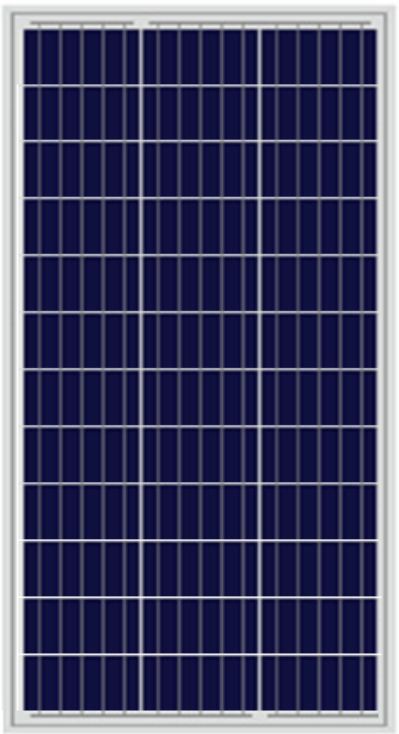
Nelson 36P *80* Watt

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 80 Wp and 16.60 % efficiency, highest performing module of its kind on the market.

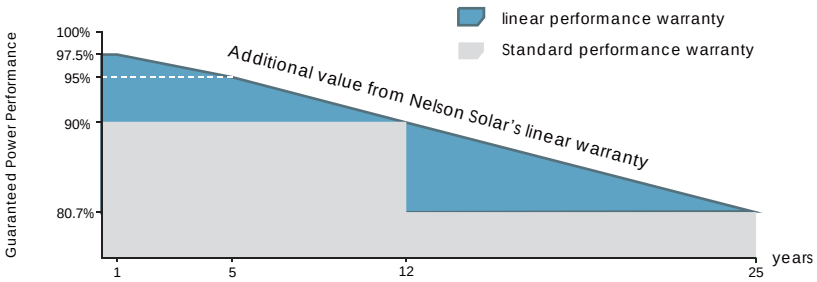
Low-light Performance:
Excellent performance in low-light environments.

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



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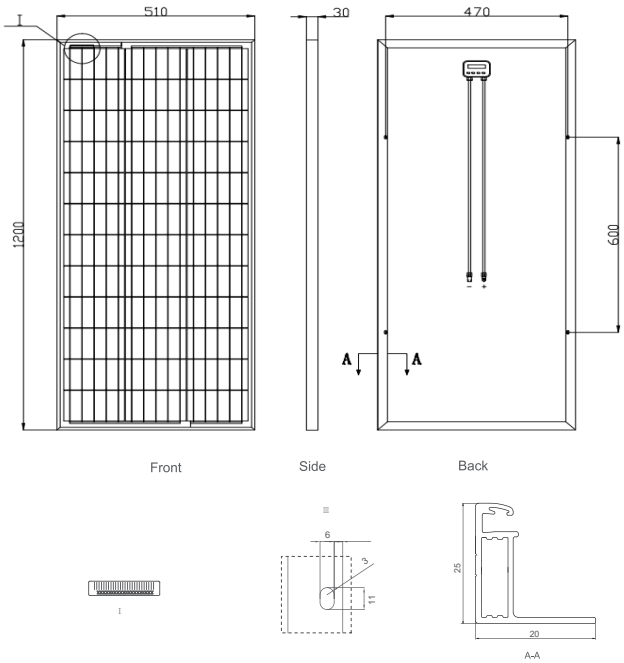
Engineering Drawings

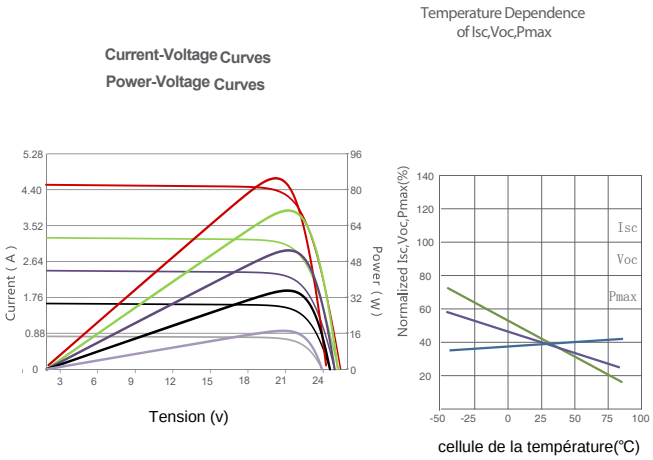


Packaging Configuration

2PCS/CTN

3280pcs/40'HQContainer

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Poly-crystalline156.75×93.60mm
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-36-80P	
	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(℃)	-40℃~+85℃	
Maximum system voltage	1000VDC	
Maximum series fuse rating	10A	
Power tolerance	0~+5W	
Temperature coefficients of Pmax	-0.41%℃	
Temperature coefficients of Voc	-0.31%℃	
Temperature coefficients of Isc	0.06%/℃	
Nominal operating cell temperature (NOCT)	45±2℃	

*STC: Irradiance 1000W/m^2 Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m^2 Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s