NELSON SOLAR®

www.nelsonsolar.com

Nelson 60P 275 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 275 Wp and 18.20 % efficiency, highest performing module of its kind on the market.

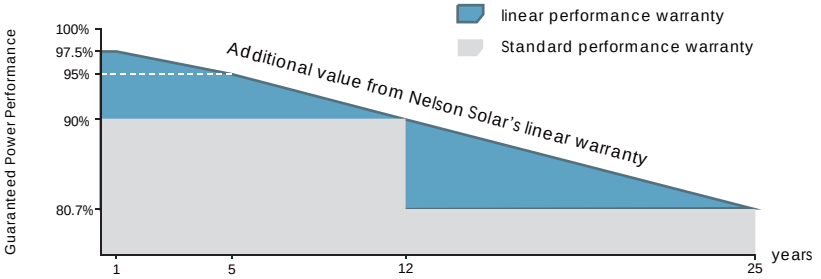
Low-light Performance:
Excellent performance in low-light environments.

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



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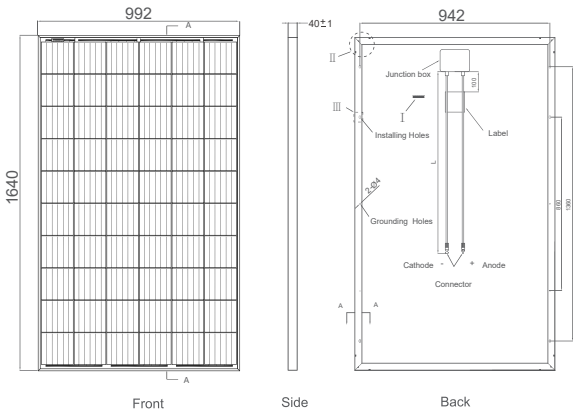
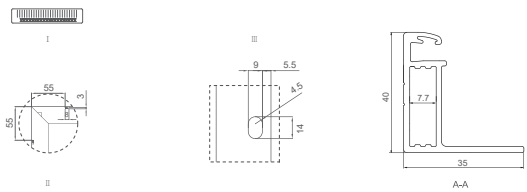
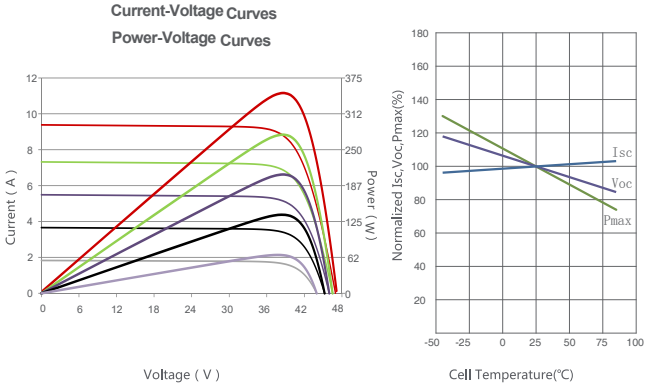
Engineering Drawings





Electrical Performance & Temperature Dependence



Packaging Configuration

1000 pcs/40'HQ Container;1150 pcs/45'HQ

Mechanical Characteristics

Cell Type	Poly-crystalline 156.75×156.75mm (6 inch)
No.of cells	60 (6×10)
Dimensions	1640×992×40mm (64.60×39.05×1.57 inch)
Weight	18.0 kg (39.8 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1×4.0mm^2, Length: 900mm or Customized Length

SPECIFICATIONS

Module Type	NS-60-275P	
	STC	NOCT
Maximum Power (Pmax)	275Wp	201Wp
Maximum Power Voltage (Vmp)	31.4V	29.2V
Maximum Power Current (Imp)	8.76A	6.89A
Open-circuit Voltage (Voc)	38.6V	36.0V
Short-circuit Current (Isc)	9.22A	7.43A
Efficiency STC (%)	18.20%	
Operating Temperature(℃)	-40℃~+85℃	
Maximum system voltage	1000VDC (IEC)	
Maximum series fuse rating	15A	
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

* Power measurement tolerance: ± 3%