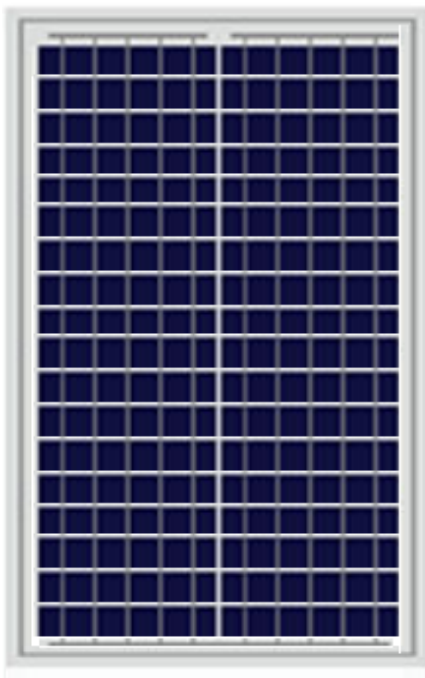
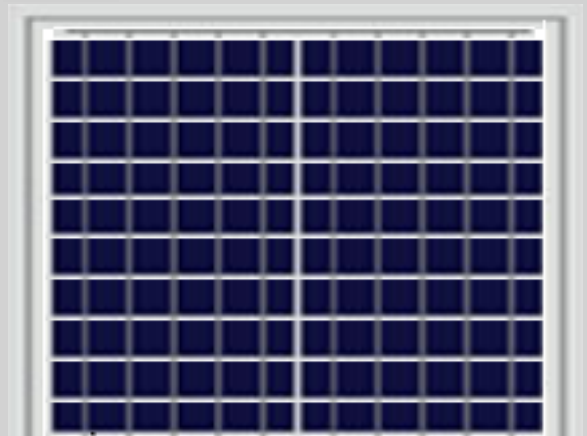


Nelson 36P 30 Watt POLY-CRYSTALLINE MODULE

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 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.



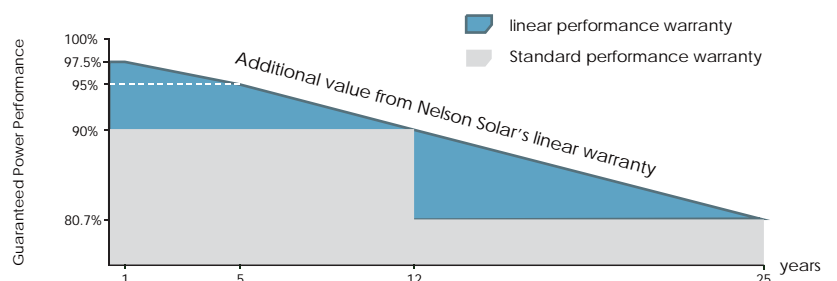
5 Busbar Solar Cell:

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

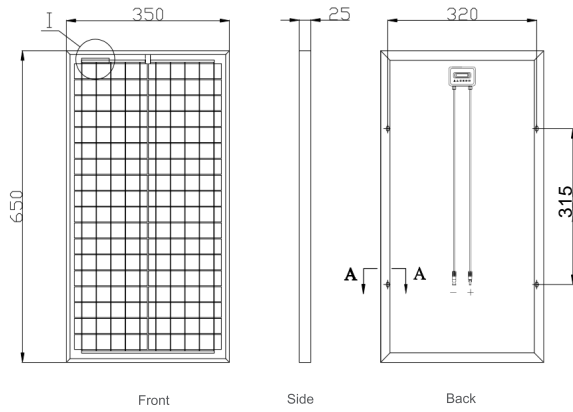


LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty

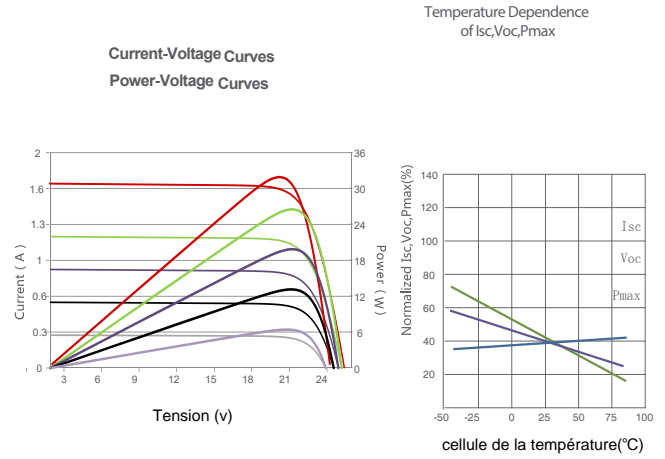


Engineering Drawings



Packaging Configuration
 10PCS/CTN
 10000pcs/40'HQContainer

Electrical Performance & Temperature Dependence



Mechanical Characteristics

| | |
|---------------|---|
| Cell Type | Poly-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-36-30P | |
| | STC | NOCT |
| Maximum Power (Pmax) | 30Wp | 20Wp |
| Maximum Power Voltage (Vmp) | 18.0V | 16.4V |
| Maximum Power Current (Imp) | 1.67A | 1.22A |
| Open-circuit Voltage (Voc) | 22.1V | 20.5V |
| Short-circuit Current (Isc) | 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 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%