



## ZXP6 | 60 Cells

### Polycrystalline PV module 245-265 Watt



Made with selected materials and components to grant quality, duration, efficiency and thorough outputs, the 60-celled polycrystalline modules by ZNSHINE SOLAR (power output 245 up to 265 Wp, black modules up to 265 Wp) represent a highly flexible solution for diverse installation types, from industrial rooftop plants to small home PV-systems or large ground surfaces. This allows you to produce clean energy whilst reducing your energy bill.

ZNSHINE SOLAR's 60-celled polycrystalline solar modules are tested and approved by internationally acknowledged laboratories, so that we can offer our customers a reliable and price-quality optimized product. The linear warranty on product outputs further ensures increased security and return on investments over time.



High module efficiency up to 16.29%



25-year-linear warranty on outputs



Certified to withstand extreme static loads of 5400 Pa



Free from PID (Potential Induced Degradation)



Extensive green certificates



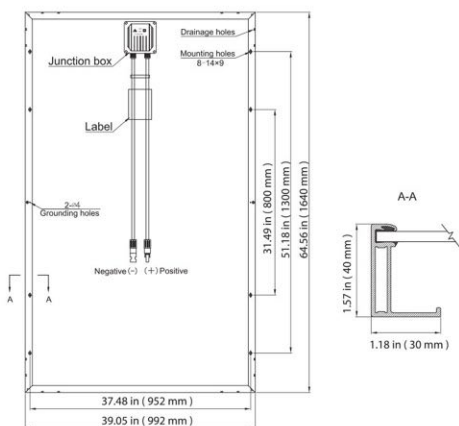
Production made in Canada



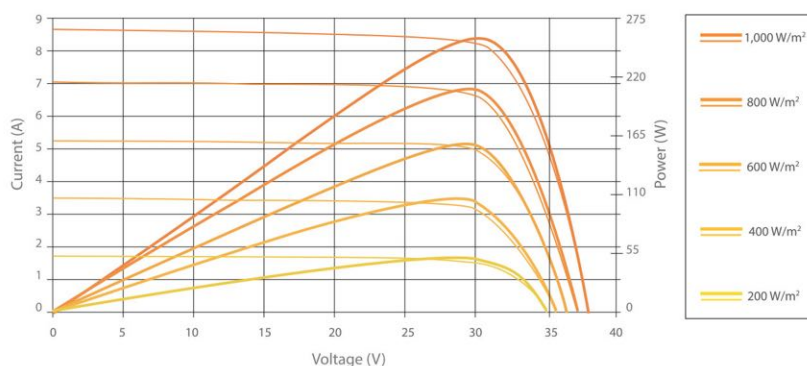
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## Dimensions of the PV module



## I-V Curves of the PV module



## Electrical data<sup>1</sup>

	ZXP6-60-245/P	ZXP6-60-250/P	ZXP6-60-255/P	ZXP6-60-260/P	ZXP6-60-265/P
Nominal Power Watt $P_{max}$ ( $W_p$ )	245	250	255	260	265
Power Output Tolerance $P_{max}$ (%)	0 ~ +3	0 ~ +3	0 ~ +3	0 ~ +3	0 ~ +3
Maximum Power Voltage $V_{Mpp}$ (V)	29.95	30.15	30.33	30.53	30.65
Maximum Power Current $I_{Mpp}$ (A)	8.18	8.29	8.41	8.52	8.65
Open Circuit Voltage $V_{oc}$ (V)	37.75	37.52	37.69	37.88	38.06
Short Circuit Current $I_{sc}$ (A)	8.73	8.81	8.89	8.97	9.05
Module Efficiency $\eta_m$ (%)	15.06	15.37	15.67	15.98	16.29

## Mechanical data

Solar cells	Poly 6.14 x 6.14 in (156 x 156 mm)
Cells orientation	60 (6 x 10)
Module dimensions	64.5 x 39 x 1.57 in (1640 x 992 x 40 mm)
Weight	42.9 lbs (19.5 kg)
Glass	High transparency, low iron, tempered glass 0.13 in (3.2 mm) / AR-coating
Frame	Anodized aluminum alloy. Frame in alu or black, backside in white or black
Junction box	IP 67
Cables/ connectors	0.006 in <sup>2</sup> (4 mm <sup>2</sup> ), 35.43 in (900 mm), MC4-compatible
Number of diodes	3

## Temperature ratings

Nominal Operating Cell Temperature	45°C (±2°C)
Temperature coefficient of $P_{mpp}$	-0.42 %/K
Temperature coefficient of $V_{oc}$	-0.33 %/K
Temperature coefficient of $I_{sc}$	0.06 %/K

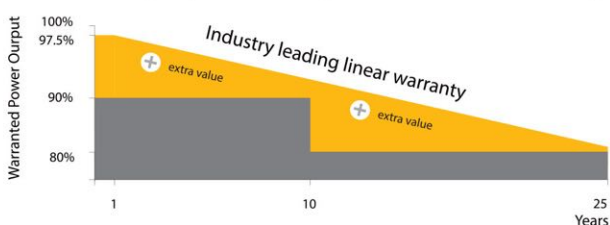
## Working conditions

Maximum system voltage	1000 V DC (UL)
Operating temperature	-40 up to +85 °C
Maximum series fuse	15 A
Maximum load (snow/wind)	5400 Pa / 2400 Pa
Fire Rating (UL 1730)	Class C

## Warranty information

10 years workmanship warranty

25 years output warranty (polycrystalline): 2.5% in the 1<sup>st</sup> year, thereafter 0.7% per year ending with 80% in the 25<sup>th</sup> year



## Packaging information

Modules per box	26 pcs. (1.57 in)
Modules per 40'HQ container	728 pcs. (1.57 in)



<sup>1</sup> Measurement Tolerance STC: ± 3% ( $P_{max}$ ), ± 10% ( $V_{max}$ ,  $I_{Mpp}$ ,  $V_{oc}$ ,  $I_{sc}$ ), Values at Standard Test Conditions STC (Air Mass AM 1.5, Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25 °C) | Remark: please read safety and installation instructions before using the product | Subject to change without prior notice © ZNSHINE SOLAR 2015 | Version: ZXP6-60-1501.E.U.S