

ZXP6-72 Series

Znshinesolar **5BB** Polycrystalline PV module

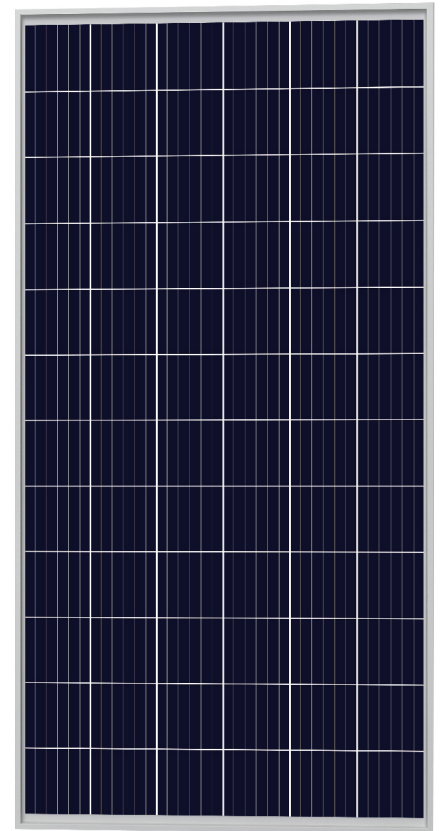


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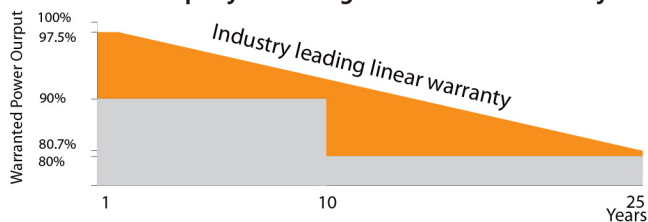
Mono **Poly** Solutions

310W | 315W | 320W | 325W | 330W | 335W | 340W | 345W

Made with selected materials and components to grant quality, duration, efficiency and through outputs, the 72-cell polycrystalline modules by ZNSHINE SOLAR 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.



10 years workmanship warranty
25 years output warranty (polycrystalline): 2.5% in the 1st year, thereafter 0.7% per year ending with 80.7% in the 25th year



5 Busbar Solar Cell

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



High Efficiency

High module efficiency up to 17.74%



PID Free (Potential Induced Degradation)

Limited power degradation of Eagle module caused by PID effect is guaranteed under strict testing condition for mass production



Linear Warranty

25-year linear warranty on outputs



Certified to withstand the most challenging environmental conditions

2400 Pa wind load
5400 Pa snow load



System Certification

ISO 9001
ISO 14001
OHSAS 18001



ZNShine PV-Tech Co., LTD, founded in 1988, is a world-leading high-performance PV module manufacturer, PV power station developer, EPC and power station operator. With its state-of-the-art production lines, the company boasts module output of 3.2GW. Bloomberg has listed ZNShine as a global Tier 1 PV manufacturer and Top 20 reliable PV supplier.

www.znshinesolar.com

ELECTRICAL PROPERTIES | STC*

| Module Type | ZXP6 72-310/P | ZXP6 72-315/P | ZXP6 72-320/P | ZXP6 72-325/P | ZXP6 72-330/P | ZXP6 72-335/P | ZXP6 72-340/P | ZXP6 72-345/P |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Nominal Power Watt Pmax(W) | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 |
| Power Output Tolerance Pmax(%) | 0~+3 | 0~+3 | 0~+3 | 0~+3 | 0~+3 | 0~+3 | 0~+3 | 0~+3 |
| Maximum Power Voltage Vmp(V) | 36.7 | 36.9 | 37.1 | 37.3 | 37.5 | 37.7 | 37.9 | 38.1 |
| Maximum Power Current Imp(A) | 8.45 | 8.54 | 8.63 | 8.72 | 8.80 | 8.89 | 8.98 | 9.06 |
| Open Circuit Voltage Voc(V) | 46.0 | 46.2 | 46.4 | 46.6 | 46.8 | 47.0 | 47.2 | 47.4 |
| Short Circuit Current Ioc(A) | 8.90 | 8.97 | 9.05 | 9.12 | 9.16 | 9.22 | 9.28 | 9.34 |
| Module Efficiency (%) | 15.94 | 16.20 | 16.46 | 16.72 | 16.97 | 17.23 | 17.49 | 17.74 |

*STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25°C, AM 1.5
 *The data above is for reference only and the actual data is in accordance with the practical testing

ELECTRICAL PROPERTIES | NOCT*

| | | | | | | | | |
|-------------------------------|------|-------|-------|-------|-------|-------|------|-------|
| Maximum Power Pmax(Wp) | 229 | 232.8 | 236.4 | 240.4 | 244.2 | 248.3 | 253 | 256.9 |
| Maximum Power Voltage Vmpp(V) | 34.2 | 34.3 | 34.6 | 34.8 | 35.2 | 35.4 | 35.8 | 36.1 |
| Maximum Power Current Impp(A) | 6.70 | 6.78 | 6.84 | 6.90 | 6.93 | 7.02 | 7.06 | 7.11 |
| Open Circuit Voltage Voc(V) | 42.4 | 42.4 | 42.8 | 42.9 | 43.1 | 43.3 | 43.4 | 43.6 |
| Short Circuit Current Isc(A) | 7.21 | 7.21 | 7.33 | 7.38 | 7.42 | 7.46 | 7.51 | 7.56 |

*NOCT(Nominal Operating Cell Temperature):Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s
 *The data above is for reference only and the actual data is in accordance with the practical testing

TEMPERATURE RATINGS

| | |
|---------------------------------|-----------|
| NOTC | 45°C ±2°C |
| Temperature coefficient of Pmax | -0.408%/K |
| Temperature coefficient of Voc | -0.31%/K |
| Temperature coefficient of Isc | 0.06%/K |

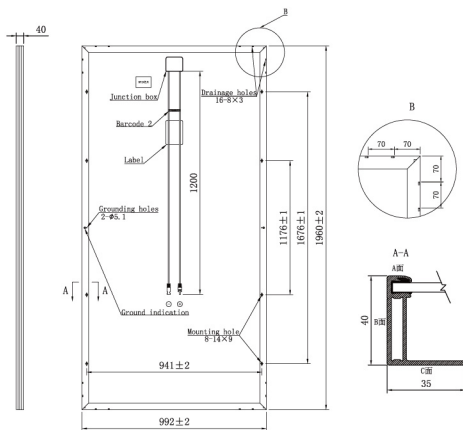
MECHANICAL DATA

| | |
|-------------------|---|
| Solar cells | Poly 156×156 / 156.75×156.75 mm |
| Cells orientation | 72 (6×12) |
| Module dimension | 1960×992×40 mm |
| Weight | 22.5 kg |
| Glass | High transparency, low iron, tempered glass 3.2mm (AR-coating) |
| Junction box | IP 68, 3 diodes |
| Cables | 4 mm ² , 1200 mm |
| Connectors | MC4-compatible |

WORKING CONDITIONS

| | |
|-------------------------|-------------------|
| Maximum system voltage | 1000 / 1500 V DC |
| Operating temperature | -40°C~+85°C |
| Maximum series fuse | 15 A |
| Maximum load(snow/wind) | 5400 Pa / 2400 Pa |

DIMENSION OF THE PV MODULE (mm)



PACKAGING INFORMATION

| | |
|-----------------|--------|
| Packing Type | 40' GP |
| Piece/Box | 27 |
| Piece/Container | 648 |

I-V CURVES OF THE PV MODULE

