

ZXP6-H120 Series

Znshinesolar 5BB **HALF-CELL** Polycrystalline PV Module



120

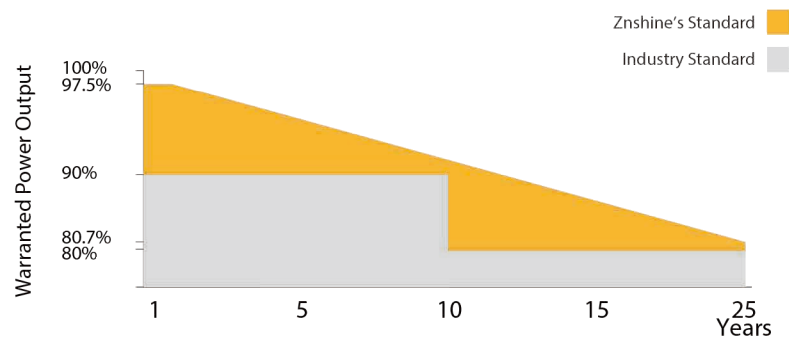
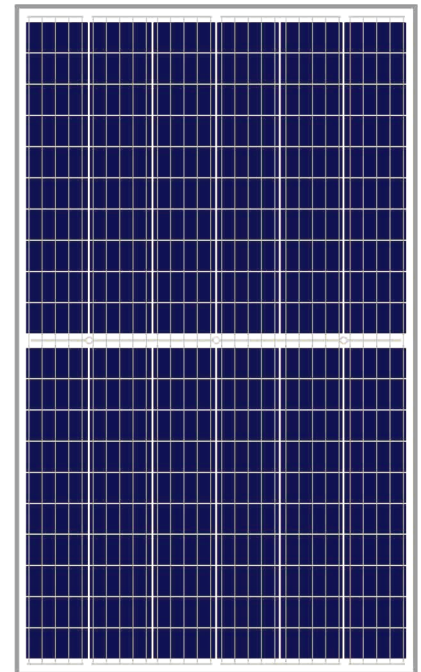
Mono **Poly** Solutions

275W | 280W | 285W | 290W | 295W | 300W

Made with selected materials and components to grant quality, duration, efficiency and through outputs, the ZXP6-H120 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.

ZNSHINE SOLAR' S ZXP6-H120 polycrystalline solar modules are tested and approved by international 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.

- 12 years product warranty for general application
- 15 years product warranty for Rooftop PV system
- 25 years output warranty/0.7% linear degradation p.a.



More power output

Module RS decreases, FF (fill factor) increases, power gain is stable above 2%, and can be increased by 5~10W



Easy to install

The module is very light in weight so the installation is easier and transport costs are lower



Better Weak Illumination Response

Lower temperature coefficient and wide spectral response, higher power output, even under low-light settings



ELECTRICAL PROPERTIES | STC*

| Module Type | ZXP6 H120-275/P | ZXP6 H120-280/P | ZXP6 H120-285/P | ZXP6 H120-290/P | ZXP6 H120-295/P | ZXP6 H120-300/P |
|--------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Nominal Power Watt Pmax(W) | 275 | 280 | 285 | 290 | 295 | 300 |
| Power Output Tolerance Pmax(%) | 275±3% | 280±3% | 285±3% | 290±3% | 295±3% | 300±3% |
| Maximum Power Voltage Vmp(V) | 31.6 | 31.8 | 32.0 | 32.2 | 32.4 | 32.6 |
| Maximum Power Current Imp(A) | 8.71 | 8.81 | 8.91 | 9.01 | 9.11 | 9.21 |
| Open Circuit Voltage Voc(V) | 38.6±3% | 38.8±3% | 39.0±3% | 39.2±3% | 39.4±3% | 39.6±3% |
| Short Circuit Current Isc(A) | 9.29±3% | 9.35±3% | 9.42±3% | 9.48±3% | 9.53±3% | 9.64±3% |
| Module Efficiency (%) | 16.55 | 16.85 | 17.15 | 17.45 | 17.75 | 18.05 |

*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) | 204.5 | 208.1 | 211.7 | 215.4 | 219.1 | 222.8 |
| Maximum Power Voltage Vmpp(V) | 29.1 | 29.4 | 39.6 | 29.8 | 30.1 | 30.3 |
| Maximum Power Current Impp(A) | 7.02 | 7.08 | 7.15 | 7.22 | 7.27 | 7.35 |
| Open Circuit Voltage Voc(V) | 35.8 | 36.0 | 36.2 | 36.3 | 36.5 | 36.7 |
| Short Circuit Current Isc(A) | 7.52 | 7.57 | 7.63 | 7.68 | 7.72 | 7.80 |

*NOCT: 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

| | |
|---------------------------------|-----------|
| NOCT | 45°C ±2°C |
| Temperature coefficient of Pmax | -0.39%/°C |
| Temperature coefficient of Voc | -0.31%/°C |
| Temperature coefficient of Isc | 0.06%/°C |

*Do not connect Fuse in Combiner Box with two or more strings in parallel connection

WORKING CONDITIONS

| | |
|-------------------------|-------------------------------------|
| Maximum system voltage | 1500 V DC |
| Operating temperature | -40°C ~ +85°C |
| Maximum series fuse | 15 A |
| Maximum load front/back | 3600/1600 with safety factor 1.5 |

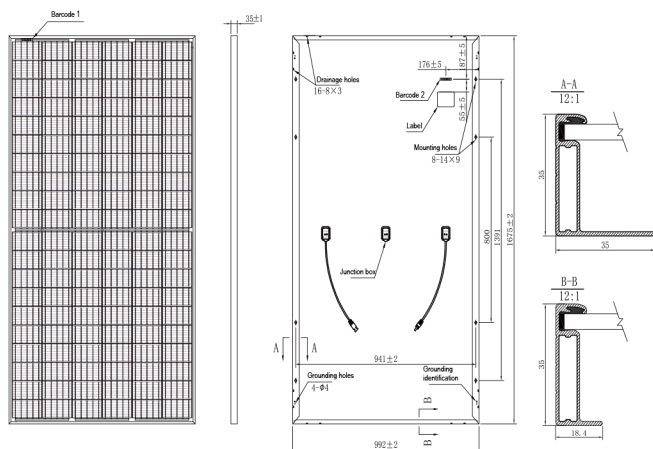
MECHANICAL DATA

| | |
|-------------------|--|
| Solar cells | Poly 156.75*78.375mm |
| Cells orientation | 120 (6×20) |
| Module dimension | 1675×992×35 mm |
| Weight | 18.5 kg |
| Glass | High transparency, low iron, tempered Glass 3.2mm (AR-coating) |
| Junction box | IP 68 , 3 diodes |
| Cables | H1Z2Z2-K 1×4,0mm ² |
| Connectors | LJQ-1 Taizhou Jinxiu Electrical Science & Technology Co Ltd manufactured in China |

PACKAGING INFORMATION

| | |
|-----------------|--------|
| Packing Type | 40' HQ |
| Piece/Box | 30 |
| Piece/Container | 840 |

DIMENSION OF THE PV MODULE (mm)



I-V CURVES OF THE PV MODULE

