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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Znshine PV-tech Co., Ltd.**

**ZXP6-TD72-320-335**

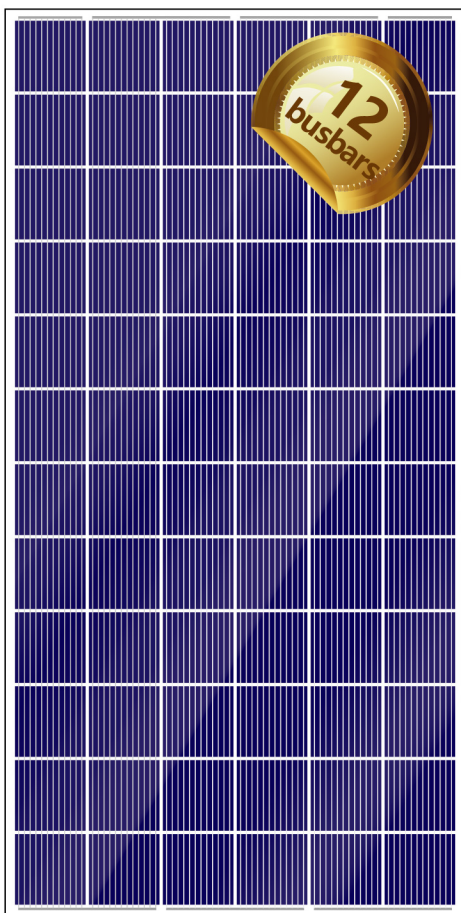
**ZXP6-TD72-335**

Also available on the web at  
[EnergyPal.com/znshine-pv-tech-co-ltd-solar-panels/zxp6-td72-335](http://EnergyPal.com/znshine-pv-tech-co-ltd-solar-panels/zxp6-td72-335)



# ZXP6 | D72 Cells

## 12-busbar double-glass poly module 320-335 Watt



### Features:

#### Good Low-light performance

Excellent performance under low-light environments.

#### High efficiency

Dense busbars shorten the current conduction distances between bars and lower serial resistance; increases 7-8W power output.

#### Minimize Crack Effect

Collected more current, almost no power generation efficiency lose by internal cells cracked.

#### Improve reliability

Improve product reliability; minimize the probability of pressure and battery fragmentation caused by thermal stress.

#### Longer lifetime

Minimize the heat resistance due to internal cracks, bringing longer life span and less attenuation.



High module efficiency up to 17.07%



30-year-linear warranty on outputs



Good weather resistance, Better anti-EL ability



Higher capacity in all life cycle, Lower power attenuation, Longer lifespan, less maintenance costs



Lower carbon emissions, more environmental-friendly way of recycling

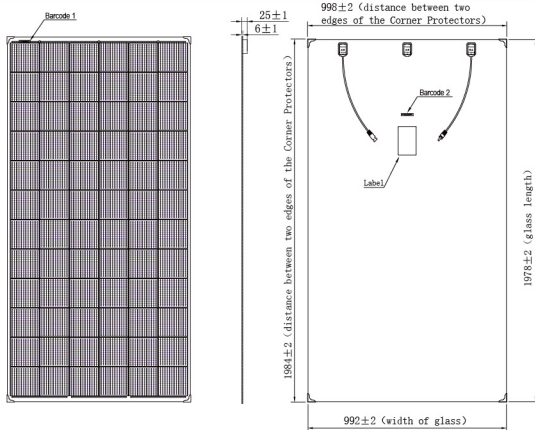


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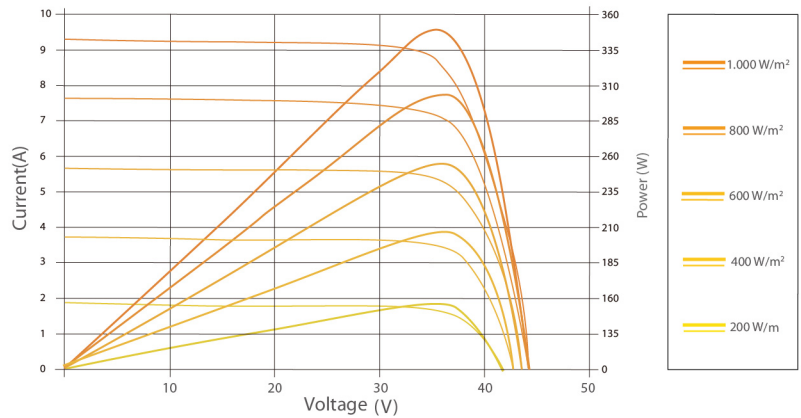


# ZXP6 TD72/320-335

## Dimension of the PV module



## I-V Curves of the PV module



## Electrical data

Model	ZXP6-TD72-320	ZXP6-TD72-325	ZXP6-TD72-330	ZXP6-TD72-335
Nominal Power Watt $P_{max}(W_p)$	320	325	330	335
Power Output Tolerance $P_{max}(\%)$	0~+3	0~+3	0~+3	0~+3
Maximum Power Voltage $V_{mp}(V)$	37.00	37.15	37.33	37.52
Maximum Power Current $I_{mp}(A)$	8.65	8.75	8.84	8.93
Open Circuit Voltage $V_{oc}(V)$	44.58	44.79	45.00	45.21
Short Circuit Current $I_{sc}(A)$	9.14	9.20	9.26	9.32
Module Efficiency $\eta_m(\%)$	16.31	16.56	16.82	17.07

## Mechanical data

Solar cells	Poly 156×156 / 156.75×156.75 mm
Cells orientation	72 (6×12)
Module dimension	1978×992×25 mm(Frameless,JB Included)
Weight	28 kg
Glass	2.0mm/2.5mm heat strengthened glass
Junction box	IP 68, 3 diodes
Cables	4 mm <sup>2</sup> , 350 mm
Connectors	MC4-compatible

## Temperature ratings

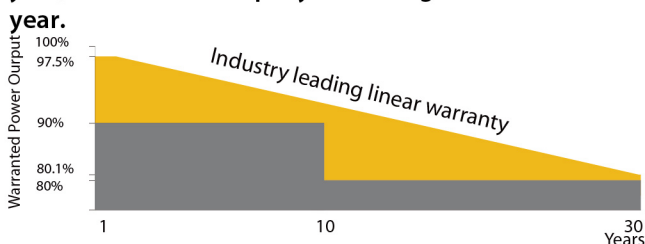
Nominal Operating Cell Temperature	45°C ±2°C
Temperature coefficient of $P_{max}$	-0.41%/K
Temperature coefficient of $V_{oc}$	-0.33%/K
Temperature coefficient of $I_{sc}$	0.06%/K

## 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

## Warranty information

30 years output warranty (polycrystalline): 2.5% in the 1<sup>st</sup> year, thereafter 0.6% per year ending with 80.1% in the 30<sup>th</sup> year.



## Packaging information

Modules per box	33 pcs.
Modules per 40' HQ container	726 pcs.