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Solar Panel Guide Specification Data Sheet

Znshine PV-tech Co., Ltd.

ZXP6-TD60 265-300

ZXP6-TD60-275

Also available on the web at
EnergyPal.com/znshine-pv-tech-co-ltd-solar-panels/zxp6-td60-275



ZXP6 | D60 Cells

12-busbar double-glass poly module 265-300 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 18.24%



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

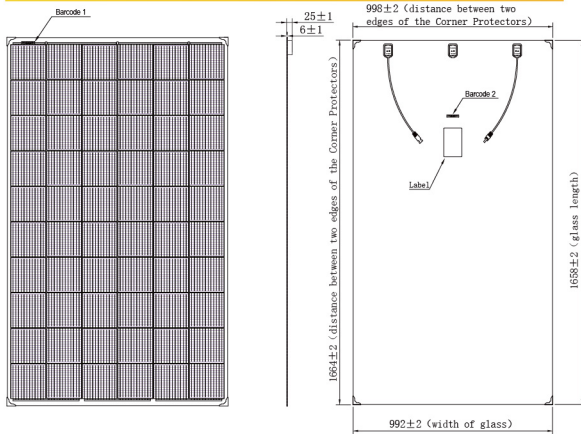


ISO 9001
ISO 14001
OHSAS 18001

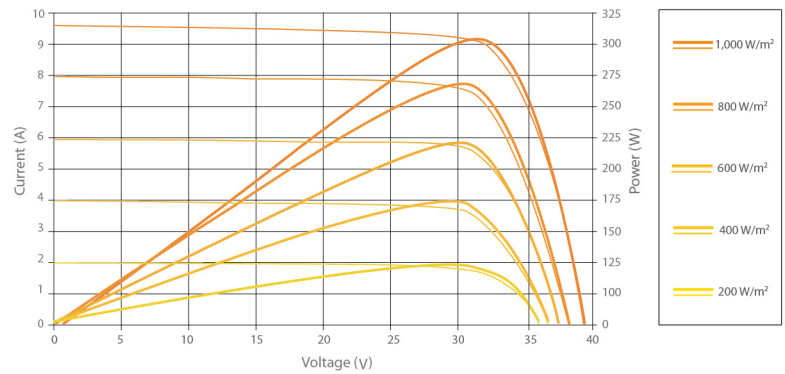


ZXP6 TD60/265-300

Dimension of the PV module



I-V Curves of the PV module



Electrical data

Model	ZXP6-TD60-265	ZXP6-TD60-270	ZXP6-TD60-275	ZXP6-TD60-280	ZXP6-TD60-285	ZXP6-TD60-290	ZXP6-TD60-295	ZXP6-TD60-300
Nominal Power Watt $P_{max}(W_p)$	265	270	275	280	285	290	295	300
Power Output Tolerance $P_{max}(\%)$	0~+3	0~+3	0~+3	0~+3	0~+3	0~+3	0~+3	0~+3
Maximum Power Voltage $V_{mp}(V)$	30.82	31.00	31.18	31.36	31.57	31.73	31.90	32.06
Maximum Power Current $I_{mp}(A)$	8.60	8.71	8.82	8.93	9.03	9.14	9.25	9.36
Open Circuit Voltage $V_{oc}(V)$	37.55	37.74	37.93	38.12	38.31	38.50	38.69	38.88
Short Circuit Current $I_{sc}(A)$	9.14	9.25	9.36	9.47	9.58	9.69	9.80	9.91
Module Efficiency $\eta_m(\%)$	16.11	16.42	16.72	17.02	17.33	17.63	17.94	18.24

Mechanical data

Solar cells	Poly 156×156 / 156.75×156.75 mm
Cells orientation	60 (6×10)
Module dimension	1658×992×25 mm(Frameless,JB Included)
Weight	22 kg
Glass	2.0mm/2.5mm heat strengthened glass
Junction box	IP 68, 3 diodes
Cables	4 mm ² , 350 mm
Connectors	MC4-compatible

Temperature ratings

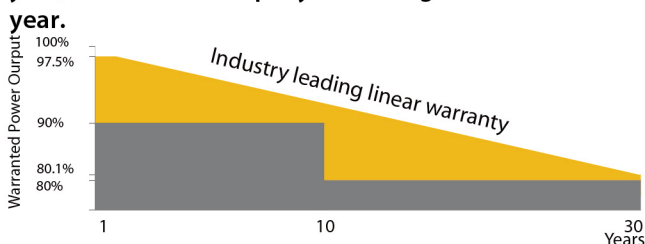
Nominal Operating Cell Temperature	45°C ±2°C
Temperature coefficient of P_{max}	-0.41%/K
Temperature coefficient of V_{oc}	-0.33%/K
Temperature coefficient of I_{sc}	0.06%/K

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 1st year, thereafter 0.6% per year ending with 80.1% in the 30th year.



Packaging information

Modules per box	31 pcs.
Modules per 40' HQ container	806 pcs.

Measurement Tolerance STC: ±3% (P_{max}), ±10% (V_{oc} , I_{mp} , V_{mp} , I_{sc}). Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C) | Remark: please read safety and installation instructions before using the product | Subject to change without prior notice © ZNSHINE SOLAR 2017 | Version: ZXP6-TD60-1805.E