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Solar Panel Guide
Specification Data Sheet

Znshine PV-tech Co., Ltd.
ZXP6-T60-260-285
ZXP6-T60-275

ZNSHINESOLAR

ZXP6 | 60 Cells

12-busbar Poly PV module 260-285 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 Efficiency — High module efficiency up to 17.41%

Linear Warranty — 25-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

System Certification — ISO 9001 ISO 14001 OHSAS 18001

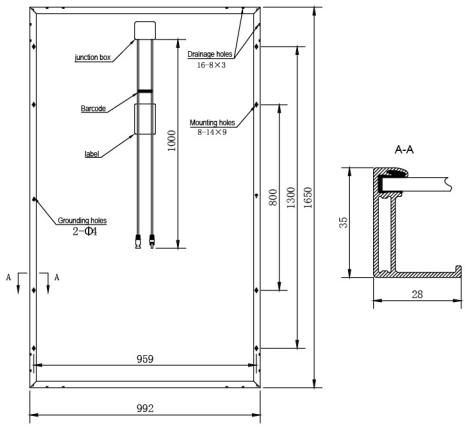
www.znshinesolar.com

Znshine reserves the final right of interpreting the technical change and testing conditions.

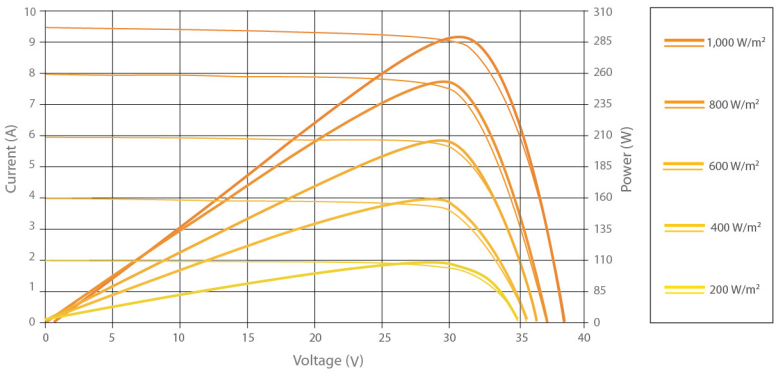
ZXP6 T60/260-285

ZNSHINESOLAR

Dimension of the PV module



I-V Curves of the PV module



Electrical data

Model	ZXP6-T60-260	ZXP6-T60-265	ZXP6-T60-270	ZXP6-T60-275	ZXP6-T60-280	ZXP6-T60-285
Nominal Power Watt $P_{max}(W_p)$	260	265	270	275	280	285
Power Output Tolerance P_{max}(%)	0~+3	0~+3	0~+3	0~+3	0~+3	0~+3
Maximum Power Voltage V_{mp}(V)	30.70	30.92	31.12	31.32	31.53	31.67
Maximum Power Current I_{mp}(A)	8.47	8.57	8.68	8.78	8.88	9.00
Open Circuit Voltage V_{oc}(V)	37.41	37.61	37.82	38.03	38.22	38.41
Short Circuit Current I_{oc}(A)	8.96	9.07	9.18	9.29	9.40	9.49
Module Efficiency η_m(%)	15.88	16.19	16.50	16.80	17.11	17.41

Mechanical data

Solar cells	Poly 156×156 / 156.75×156.75 mm
Cells orientation	60 (6×10)
Module dimension	1650×992×35 mm
Weight	19.5 kg
Glass	High transparency,low iron,tempered glass 3.2mm (AR-coating)
Junction box	IP 68, 3 diodes
Cables	4 mm² ,1000 mm
Connectors	MC4-compatible

Temperature ratings

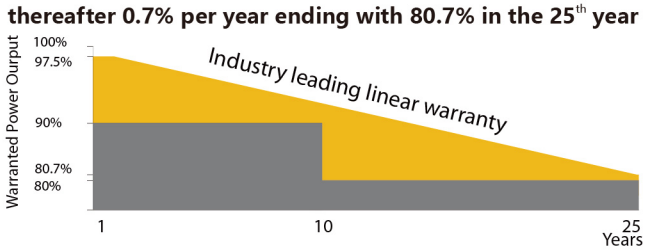
Nominal Operating Cell Temperature	45℃ ±2℃
Temperature coefficient of P_{max}	-0.41%/K
Temperature coefficient of V_{oc}	-0.33%/K
Temperature coefficient of I_{sc}	0.06%/K

Working conditions

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

Warranty information

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



Packaging information

Modules per box	30 pcs.(35mm)
Modules per 40' HQ container	896 pcs.(35mm)

Measurement Tolerance STC: ±3% (P_{max}), ±10%(V_{mp}, I_{Mpp}, V_{oc}, I_{sc}), Values at Standard Test Conditions STC(Air Mass AM1,5, Irradiance 1000W/m², Cell Temperature 25℃) | Remark: please read safety and installation instructions before using the product | Subject to change without prior notice | Version: ZXP6-T60-1805.E