

ZX6M 265-305W



ZNSHINE SOLAR

INFINITE ENERGY OF THE SUN

Mono Crystalline Module 305 Watt



Efficiency

High Efficiency over 15,70 %



Automation

Highly Automated and Vertically Integrated Manufacturing Process



Warranty

Insured Warranty of 25 Years



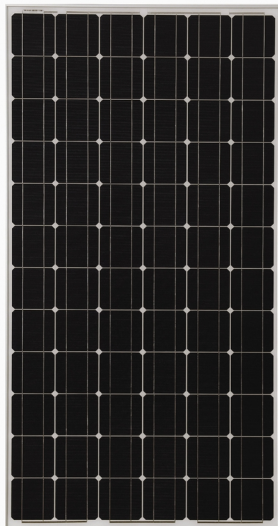
References

Europe-Wide References



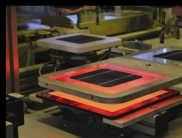
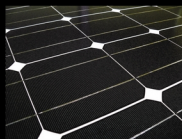
Bankability

Bankable in Europe

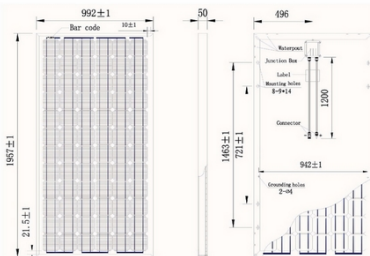


ZNSHINE SOLAR - RELIABLE PERFORMANCE OVER TIME

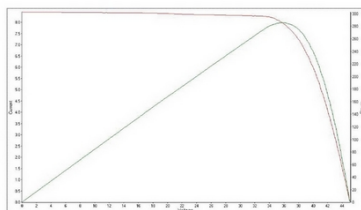
ZX6M-305W is one of ZNShine's largest panels. This highly efficient mono crystalline module, with power output ranging from 265Wp to 305Wp, is perfect especially for ground-mounted large scale systems. Made of reliable and carefully selected components, this panel comes with a 25-year performance guarantee of 80% power production and 10-year workmanship guarantee. Rigorous quality control meets the highest international standards: ISO 9001, ISO14001 and OHSMS18001. Recycling of this product is guaranteed during the entire lifetime of each panel.



Dimensions of PV module ZX6M 265-305 W



I-V Curves of PV module ZX6M 265-305 W



Electrical Data

	ZX265(36)M	ZX270(36)M	ZX275(36)M	ZX280(36)M	ZX285(36)M	ZX290(36)M	ZX295(36)M	ZX300(36)M	ZX305(36)M
Peak Power Watts- P_{max} (Wp)	265	270	275	280	285	290	295	300	305
Power Output Tolerance- P_{max} (%)	0~+3	0~+3	0~+3	0~+3	0~+3	0~+3	0~+3	0~+3	0~+3
Maximum Power Voltage V_{max} (V)	35.80	36.00	36.20	36.50	36.60	36.80	37.00	37.20	37.50
Maximum Power Current- I_{mp} (A)	7.40	7.50	7.60	7.67	7.78	7.88	7.97	8.06	8.13
Open Circuit Voltage- V_{oc} (V)	44.14	44.39	44.64	45.01	45.38	45.77	46.00	46.19	46.26
Short Circuit Current- I_{sc} (A)	8.22	8.33	8.44	8.52	8.56	8.59	8.62	8.66	8.73
Module Efficiency η_m (%)	13,65	13,91	14,17	14,42	14,68	14,94	15,20	15,45	15,71

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Mechanical Data

Solar cells	Mono 156 x 156mm
Cells orientation	72 (6 x 12)
Module dimension	1957 x 992 x 50mm
Weight	22.5kg
Glass	High transparency, Low Iron, Tempered glass 3.2mm
Frame	Anodized aluminium alloy
J-Box	IP 65
Cables/Connector	Diameter 4mm ² , Length 900mm.
Number of Diodes	6

Warranty

10 years workmanship warranty
10 years warranty, 90% power output
25 years warranty, 80% power output

Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	47°C (±2°C)
Temperature Coefficient of P_{mp}	-0.42%/°C
Temperature Coefficient of V_{oc}	-0.29%/°C
Temperature Coefficient of I_{sc}	0.04%/°C

Working Conditions

Maximum System Voltage	DC1000V (TUV)
Operating Temperature	(-40 ~ + 85) °C
Maximum Series Fuses	15 A
Front & rear static load test (eg: wind)	2400pa
Front load test (eg: snow)	5400pa

Packing Configuration

Modules per box	22 pcs
Modules per pallet	44 pcs
Modules per 40' HQ container	484 pcs



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