ZXM6-60 **Series**

Znshinesolar **5BB** Monocrystalline PV Module

ZNSHINESOLAR

60

Mono Poly Solutions

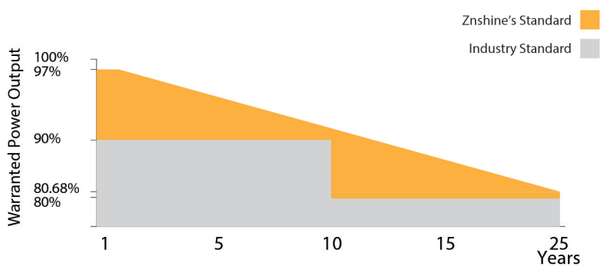
295W | 300W | 295W | 310W | 315W

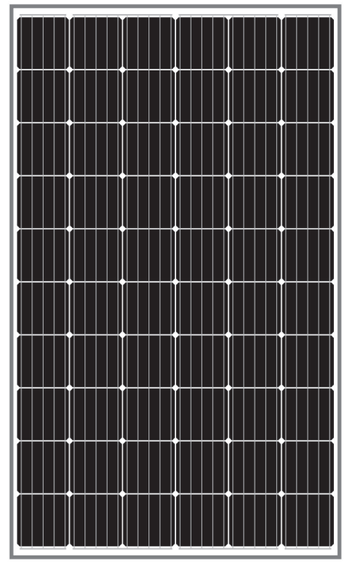
Made with selected materials and components to grant quality, duration, efficiency and through outputs, the ZXM6-60 monocrystalline modules by ZNSHINE SOLAR represent a highly flexible solution for diverse installation types, from industrial rooftop plants to small home PV systems or large ground surfaces. This allows you to produce clean energy while reducing your energy bill.

ZNSHINE SOLAR' S ZXM6-60 monocrystalline 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.

10 years workmanship warranty/25 years output warranty

0.68% Annual Degradation over 25 years





Remark: Silver Frame,White backsheet or
Black Frame,Black backsheet

Tier 1 & Bankable

Well known trade mark in China;
Tier 1 bankable brand globally

High Efficiency

Graphene coating can increase about 2W of the module efficiency by rising around 0.5% of the light transmission

Anti PID

Limited power degradation of ZXM6-60 module caused by PID effect is guaranteed under strict testing condition for mass production

Better Weak Illumination Response

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

Certified to withstand the most challenging environmental conditions

5400 Pa snow load
2400 Pa wind load

Customerization——Grahpene Coating

Graphene coating modules can increase power generation and self-cleaning, also can save maintainance cost

ZNShine PV-Tech Co., LTD, founded in 1988, is a world-leading high-performance PV module manufacturer, PV power station developer, EPC and power station operator. With its state-of-the-art production lines, the company boasts module output of 5GW. Bloomberg has listed ZNShine as a global Tier 1 PV manufacturer and Top 4 reliable PV supplier.

Solarever de América S.A de C.V, founded in 2002, is currently the number one PV module manufacturer in Mexico.

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ELECTRICAL PROPERTIES | STC*

Module Type	ZXM6-60-295/M	ZXM6-60-300/M	ZXM6-60-305/M	ZXM6-60-310/M	ZXM6-60-315/M
Nominal Power Watt Pmax(W)	295	300	305	310	315
Power Output Tolerance Pmax(%)	0~+3	0~+3	0~+3	0~+3	0~+3
Maximum Power Voltage Vmp(V)	32.2	32.4	32.7	32.9	33.1
Maximum Power Current Imp(A)	9.17	9.26	9.33	9.43	9.52
Open Circuit Voltage Voc(V)	39.5	39.7	39.9	40.1	40.3
Short Circuit Current Isc(A)	9.67	9.75	9.85	9.95	10.05
Module Efficiency (%)	18.02	18.33	18.63	18.94	19.24

*STC (Standard Test Condition): Irradiance 1000W/㎡, Module Temperature 25℃, AM 1.5
*The data above is for reference only and the actual data is in accordance with the pratical testing

ELECTRICAL PROPETIES | NMOT*

Maximum Power Pmax(Wp)	219.0	222.3	225.8	229.3	232.4
Maximum Power Voltage Vmpp(V)	29.8	30.2	30.4	30.6	30.6
Maximum Power Current Impp(A)	7.34	7.36	7.42	7.49	7.61
Open Circuit Voltage Voc(V)	36.6	36.7	36.9	37.1	37.3
Short Circuit Current Isc(A)	7.81	7.81	7.88	7.96	8.12

*NMOT(Nominal module operating temperature):Irradiance 800W/㎡,Ambient Temperature 20℃,AM 1.5,Wind Speed 1m/s
*The data above is for reference only and the actual data is in accordance with the pratical testing

TEMPERATURE RATINGS

NMOT	45℃ ±2℃
Temperature coefficient of Pmax	-0.39%/K
Temperature coefficient of Voc	-0.29%/K
Temperature coefficient of Isc	0.05%/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

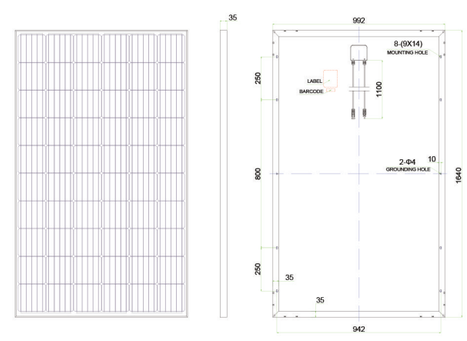
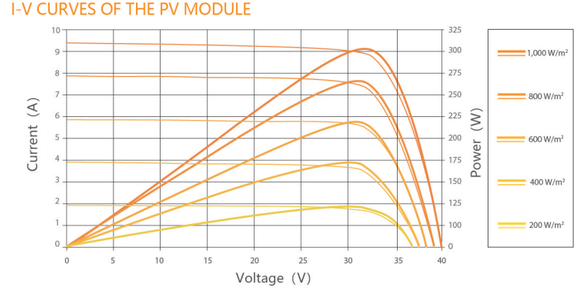
MECHANICAL DATA

Solar cells	Mono 156.75×156.75 mm
Cells orientation	60 (6×10)
Module dimension	1640×992×35 mm
Weight	18.5 kg
Glass	High transparency,low iron,tempered
	Glass 3.2 mm (AR-coating)
Junction box	IP 68, 3 diodes
Cables	4 mm² ,900 mm
Connectors	MC4-compatible

PACKAGING INFORMATION

Packing Type	40' HQ	53' Trailer
Piece/Box	30	30
Piece/Container	840	1020

DIMENSION OF THE PV MODULE (mm)



I-V CURVES OF THE PV MODULE