

ZXM6-LD60 Series

Znshinesolar 5BB **Light-Weight** Double Glass Mono PV Module



60

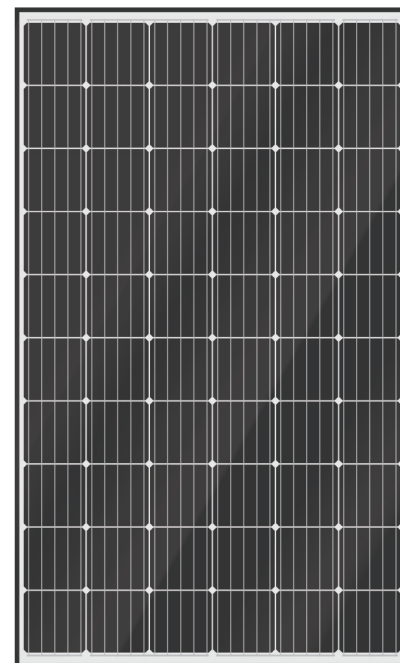
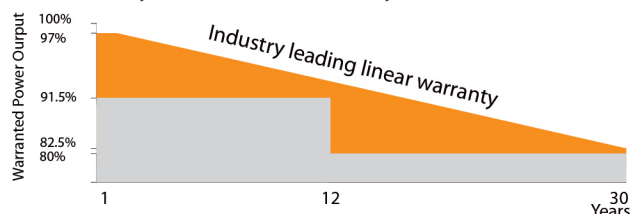
Mono Poly Solutions

290W | 295W | 300W | 305W | 310W | 315W

Made with selected materials and components to grant quality, duration, efficiency and through outputs, the ZXM6-LD60 double glass modules by ZNSHINE SOLAR feature have both decorative and shading functions. They represent the perfect choice for BIPV and BAPV construction applications. This allows you to produce clean energy whilst reducing your energy bill.

ZNSHINE SOLAR'S ZXM6-LD60 double glass solar modules are tested and approved by international acknowledged laboratories, so that we can offer our customers a reliable and price-quality optimized product.

10 years workmanship warranty
30 years output warranty(monocrystalline): 3.0% in the first year, thereafter 0.5% per year ending with 82.5% in the 30th year from the Warranty Start Date



Innovative PV module

In comparison with common double glass modules, our modules are extremely robust and superior air tightness



High Efficiency

High module efficiency up to 19.15%
 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-LD60 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



Easy to install

The module is very light in weight so the installation is easier and transport costs are lower



Customerization

We can customize the graphene glass modules with self-cleaning function according to customer requirements
 Graphene glass modules can increase light transmittance and increase component efficiency



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.

www.znshinesolar.com

ZXM6-LD60 Series

Znshinesolar 5BB **Light-Weight** Double Glass
Mono PV Module



ELECTRICAL PROPERTIES | STC*

Module Type	ZXM6-LD60-290/M	ZXM6-LD60-295/M	ZXM6-LD60-300/M	ZXM6-LD60-305/M	ZXM6-LD60-310/M	ZXM6-LD60-315/M
Nominal Power Watt Pmax(W)	290	295	300	305	310	315
Power Output Tolerance Pmax(%)	0~+3	0~+3	0~+3	0~+3	0~+3	0~+3
Maximum Power Voltage Vmp(V)	31.9	32.1	32.3	32.6	32.8	33.0
Maximum Power Current Imp(A)	9.10	9.19	9.29	9.36	9.46	9.55
Open Circuit Voltage Voc(V)	39.2	39.4	39.6	39.8	40.0	40.2
Short Circuit Current Isc(A)	9.56	9.66	9.75	9.85	9.95	10.05
Module Efficiency (%)	17.63	17.94	18.24	18.54	18.85	19.15

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

ELECTRICAL PROPERTIES | NMOT*

Maximum Power Pmax(Wp)	214.4	217.8	222.4	225.6	229.5	232.4
Maximum Power Voltage Vmpp(V)	29.7	29.8	30.0	30.2	30.6	30.5
Maximum Power Current Impp(A)	7.23	7.31	7.41	7.47	7.49	7.62
Open Circuit Voltage Voc(V)	36.3	36.4	36.7	36.8	37.0	37.2
Short Circuit Current Isc(A)	7.72	7.81	7.88	7.96	7.96	8.12

*NMOT(Nominal Operating Cell Temperature):Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s
*The data above is for reference only and the actual data is in accordance with the practical testing

TEMPERATURE RATINGS

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

MECHANICAL DATA

Solar cells	Mono 156.75×156.75 mm
Cells orientation	60 (6×10)
Module dimension	1658×992×25 mm(With Frame)
Weight	18 / 21 kg
Glass	(1.6+1.6mm)/(2.0+2.0mm)heat strengthened glass
Junction box	IP 68, 3 diodes
Cables	4 mm ² ,350 mm
Connectors	MC4-compatible

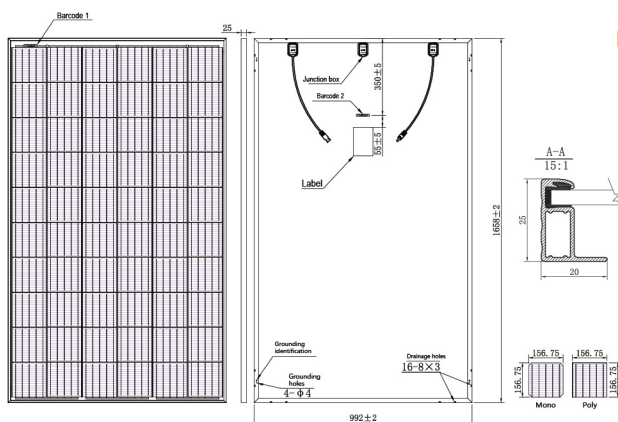
WORKING CONDITIONS

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

PACKAGING INFORMATION

Packing Type	40' HQ
Piece/Box	42
Piece/Container	1176

DIMENSION OF THE PV MODULE (mm)



I-V CURVES OF THE PV MODULE

