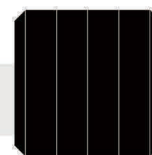


# ZXM6-LD60 Series

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



60

**Mono** Poly Solutions

**280W | 285W | 290W | 295W | 300W | 305W | 310W**

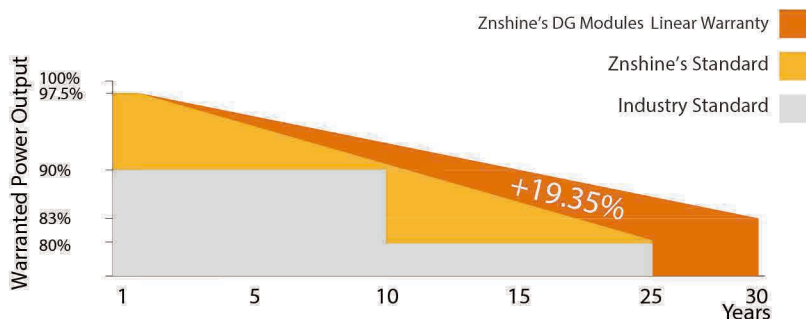
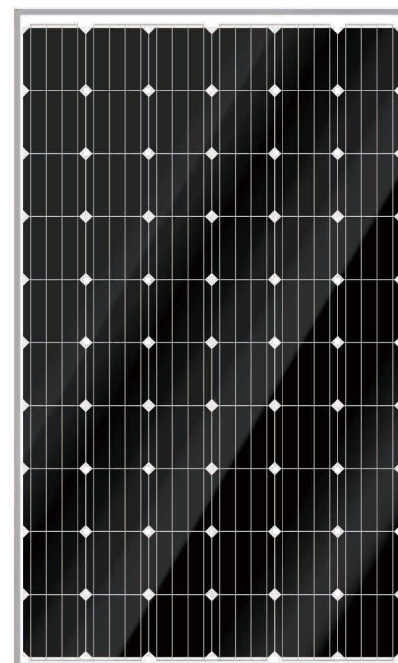
Made with selected materials and components to grant quality, duration, efficiency and through outputs, the ZXM6-LD60 double glass modules by ZNSHINE SOLAR feature have both decorative and shading functions. They represent the perfect choice for BIPV and BAPV construction applications. This allows you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

**12 years product warranty for general double glass modules**

**15 years product warranty only for Residential Rooftop PV system**

**30 years output warranty/0.5% Annual Degradation over 30 years**



## Innovative PV module

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



## Easy to install

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



## Certified to withstand the most challenging environmental conditions

3600 Pa snow load (with safety factor 1.5)  
2400 Pa wind load (with safety factor 1.5)



## Better Weak Illumination Response

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



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](http://www.znshinesolar.com)

## ZXM6-LD60 Series

Znshinesolar 5BB Light-Weight Double Glass Mono PV Module



### ELECTRICAL PROPERTIES | STC\*

Module Type	ZXM6-LD60-280/M	ZXM6-LD60-285/M	ZXM6-LD60-290/M	ZXM6-LD60-295/M	ZXM6-LD60-300/M	ZXM6-LD60-305/M	ZXM6-LD60-310/M
Nominal Power Watt Pmax(W)	280	285	290	295	300	305	310
Power Output Tolerance Pmax(%)	280±3%	285±3%	290±3%	295±3%	300±3%	305±3%	310±3%
Maximum Power Voltage Vmp(V)	31.5	31.7	31.9	32.1	32.3	32.6	32.8
Maximum Power Current Imp(A)	8.89	9.00	9.10	9.19	9.29	9.36	9.46
Open Circuit Voltage Voc(V)	38.8±3%	39.0±3%	39.2±3%	39.4±3%	39.6±3%	39.8±3%	40.0±3%
Short Circuit Current Isc(A)	9.37±3%	9.47±3%	9.56±3%	9.66±3%	9.75±3%	9.85±3%	9.95±3%
Module Efficiency (%)	17.02	17.33	17.63	17.94	18.24	18.54	18.85

\*STC (Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, 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 | NOCT\*

Maximum Power Pmax(Wp)	207	210.7	214.4	217.8	222.4	225.6	229.5
Maximum Power Voltage Vmpp(V)	29.3	29.5	29.7	29.8	30.0	30.2	30.6
Maximum Power Current Impp(A)	7.07	7.15	7.23	7.31	7.41	7.47	7.49
Open Circuit Voltage Voc(V)	35.9	36.1	36.3	36.4	36.7	36.8	37.0
Short Circuit Current Isc(A)	7.57	7.65	7.72	7.81	7.88	7.96	7.96

\*NOCT(Nominal Operating Cell Temperature):Irradiance 800W/m<sup>2</sup>, 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

NOTC	45°C ±2°C
Temperature coefficient of Pmax	-0.37%/°C
Temperature coefficient of Voc	-0.29%/°C
Temperature coefficient of Isc	0.05%/°C

\*Do not connect Fuse in Combiner Box with two or more strings in parallel connection

### WORKING CONDITIONS

Maximum system voltage	1500 V DC
Operating temperature	-40°C~+85°C
Maximum series fuse	15 A
Maximum load front/back	3600/2400 6clamps 1600/1600 4clamps with safety factor 1.5

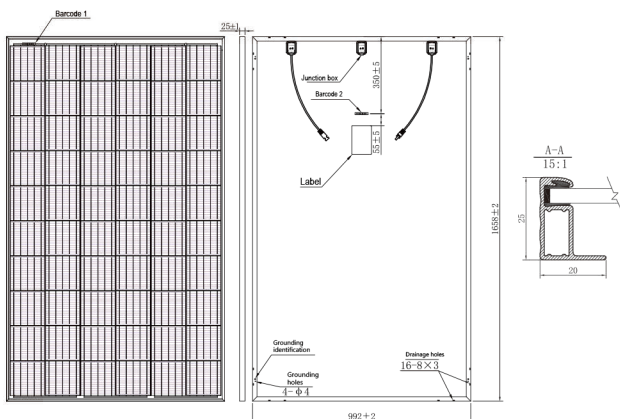
### MECHANICAL DATA

Solar cells	Mono 156.75×156.75 mm
Cells orientation	60 (6×10)
Module dimension	1658×992×25 mm(With Frame)
Weight	21 kg
Glass	2.0+2.0mm heat strengthened glass
Junction box	IP 68 , 3 diodes
Cables	H1Z2Z2-K 1×4,0mm <sup>2</sup>
Connectors	PV-HT03 Jiangsu Haitian Microelectronics Technology Co.,Ltd.
	manufactured in China

### 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

