

# ZXM6-HD120 Series

## Znshinesolar 5BB HALF-CELL Double Glass Mono PV Module



120

**Mono** Poly Solutions

315W | 320W | 325W | 330W

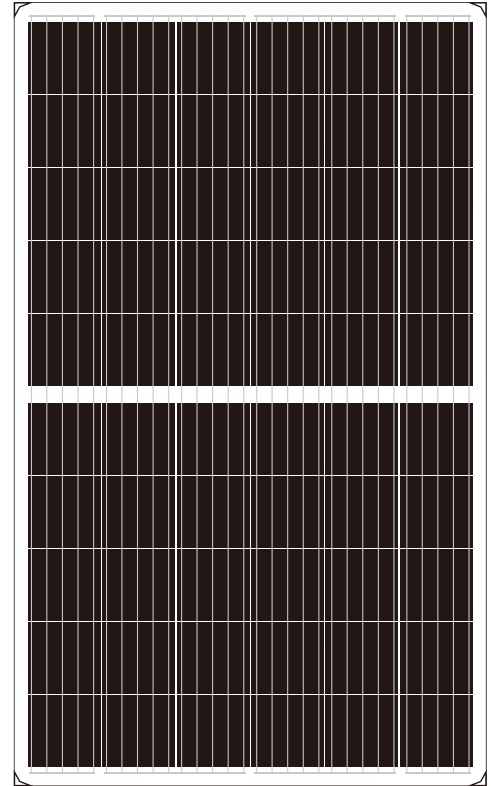
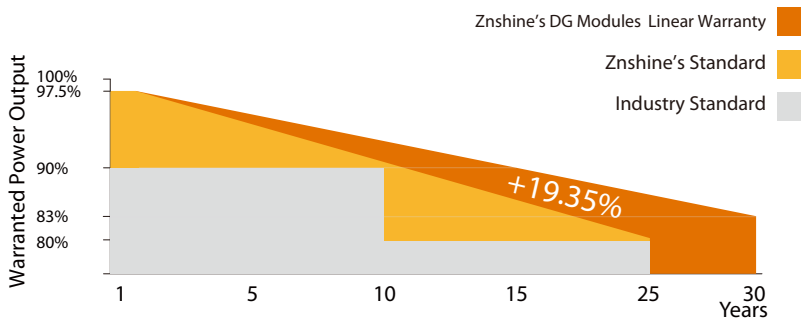
Made with selected materials and components to grant quality, duration, efficiency and through outputs, the ZXM6-HD120 double glass modules by ZNSHINE SOLAR feature have both decorative and shading functions. They represent the perfect choice for BIPV and BAPV construction applications. This allows you to produce clean energy while reducing your energy bill.

ZNSHINE SOLAR' S ZXM6-HD120 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**



### Half Cell Technology

Module RS decreases, FF (fill factor) increases, power gain is stable above 2%, and can be increased by 5~10W



### High Efficiency

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



### Better Weak Illumination Response

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



### Customerization—Graphene Coating

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



### Easy to install

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



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)

## ELECTRICAL PROPERTIES | STC\*

Module Type	ZXM6-HD120 -315/M	ZXM6-HD120 -320/M	ZXM6-HD120 -325/M	ZXM6-HD120 -330/M
Nominal Power Watt Pmax(W)	315	320	325	330
Power Output Tolerance Pmax(%)	315±3%	320±3%	325±3%	330±3%
Maximum Power Voltage Vmp(V)	33.3	33.5	33.7	33.9
Maximum Power Current Imp(A)	9.46	9.56	9.65	9.74
Open Circuit Voltage Voc(V)	40.0±3%	40.2±3%	40.4±3%	40.6±3%
Short Circuit Current Isc(A)	10.00±3%	10.09±3%	10.18±3%	10.27±3%
Module Efficiency (%)	18.54	18.83	19.12	19.42

\*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)	233.3	236.3	239.9	243.5
Maximum Power Voltage Vmpp(V)	30.7	31.0	31.1	31.3
Maximum Power Current Impp(A)	7.60	7.63	7.70	7.77
Open Circuit Voltage Voc(V)	37.1	37.3	37.4	37.6
Short Circuit Current Isc(A)	8.08	8.15	8.22	8.30

\*NOCT: 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

NOCT	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 (snow/wind)	3600/2400 (with safety factor 1.5)

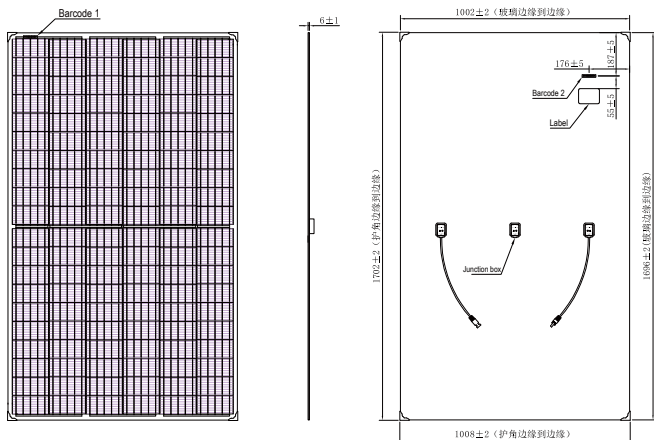
## MECHANICAL DATA

Solar cells	Mono 158.75*79.375mm
Cells orientation	120 (6×20)
Module dimension	1696×1002×6mm (With Frame)
Weight	23 kg
Glass	2.0mm+2.0mm heat strengthened glass
Junction box	IP 68, 3 diodes
Cables	H1Z2Z2-K 1×4,0mm <sup>2</sup>
Connectors	LQ-1 Taizhou Jinxiu Electrical Science & Technology Co Ltd
	manufactured in China

## PACKAGING INFORMATION

Packing Type	40' HQ
Piece/Box	33
Piece/Container	792

## DIMENSION OF THE PV MODULE (mm)



## I-V CURVES OF THE PV MODULE

