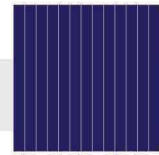


ZXP6-TLD60 Series

Znshinesolar 12BB **light-weight** double glass poly PV module



60

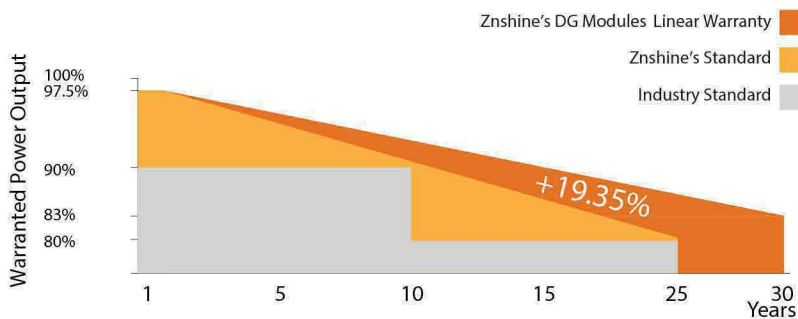
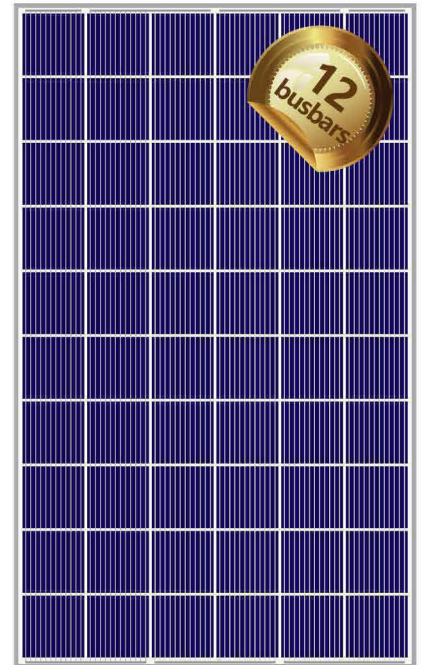
Mono **Poly** Solutions

270W | 275W | 280W

Made with selected materials and components to grant quality, duration, efficiency and through outputs, the D60-cell double glass modules by ZNSHINE SOLAR feature increased light transmission and 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 D60-cell 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 Solar Cells

12-busbar, dense busbars shorten the current conduction distances between bars and lower serial resistance



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



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

ELECTRICAL PROPERTIES | STC*

Module Type	ZXP6-TLD60 -270/P	ZXP6-TLD60 -275/P	ZXP6-TLD60 -280/P
Nominal Power Watt Pmax(W)	270	275	280
Power Output Tolerance Pmax(%)	270±3%	275±3%	280±3%
Maximum Power Voltage Vmp(V)	31.1	31.3	31.5
Maximum Power Current Imp(A)	8.69	8.79	8.89
Open Circuit Voltage Voc(V)	38.5±3%	38.7±3%	38.9±3%
Short Circuit Current Isc(A)	9.02±3%	9.11±3%	9.20±3%
Module Efficiency (%)	16.42	16.72	17.02

*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 | NOCT*

Maximum Power Pmax(Wp)	200.5	205	208.7
Maximum Power Voltage Vmpp(V)	29.2	29.5	29.8
Maximum Power Current Impp(A)	6.87	6.94	7.01
Open Circuit Voltage Voc(V)	35.5	35.8	36.0
Short Circuit Current Isc(A)	7.30	7.37	7.44

*NOCT(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

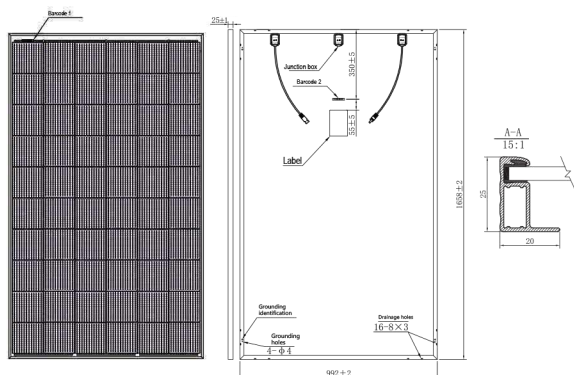
NOCT	45°C ±2°C
Temperature coefficient of Pmax	-0.40%/°C
Temperature coefficient of Voc	-0.31%/°C
Temperature coefficient of Isc	0.06%/°C

*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

DIMENSION OF THE PV MODULE (mm)



MECHANICAL DATA

Solar cells	Poly 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 ²
Connectors	PV-HT03 Jiangsu Haitian Microelectronics Technology Co.,Ltd. manufactured in China

PACKAGING INFORMATION

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

I-V CURVES OF THE PV MODULE

