

ZXP6-LD72 Series

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



72

Mono **Poly** Solutions

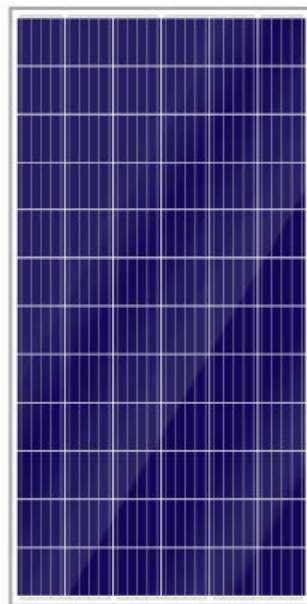
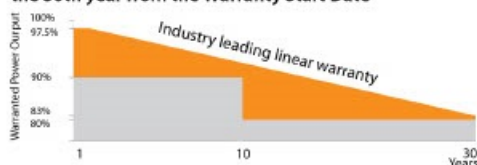
310W | 315W | 320W | 325W | 330W | 335W | 340W | 345W

Made with selected materials and components to grant quality, duration, efficiency and through outputs, the ZXP6-LD72 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 ZXP6-LD72 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 (polycrystalline): 2.5% in the first year, thereafter 0.5% per year ending with 83% 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



Anti PID

Limited power degradation of ZXP6-LD72 module caused by PID effect is guaranteed under strict testing condition for mass production



Easy to install

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



High Efficiency

High module efficiency up to 17.58%
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

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



info@solar-europe.co.za
gawie@solar-europe.co.za



www.solar-europe.co.za



+27 12 543 5907/8/9
+27 87 654 8812



+27 72 124 6690



Plot 541 Lavender Road
Onderstepoort
Pretoria, 0110



P.O. Box 14887, Sinoville
Pretoria, South Africa
0129

ELECTRICAL PROPERTIES | STC*

Module Type	ZXP6-LD72 -310/P	ZXP6-LD72 -315/P	ZXP6-LD72 -320/P	ZXP6-LD72 -325/P	ZXP6-LD72 -330/P	ZXP6-LD72 -335/P	ZXP6-LD72 -340/P	ZXP6-LD72 -345/P
Nominal Power Watt Pmax(W)	310	315	320	325	330	335	340	345
Power Output Tolerance Pmax(%)	0~+3	0~+3	0~+3	0~+3	0~+3	0~+3	0~+3	0~+3
Maximum Power Voltage Vmp(V)	36.6	36.8	37.0	37.2	37.4	37.6	37.8	38.0
Maximum Power Current Imp(A)	8.47	8.56	8.65	8.74	8.83	8.91	9.00	9.08
Open Circuit Voltage Voc(V)	45.9	46.1	46.3	46.5	46.7	46.9	47.1	47.3
Short Circuit Current Ioc(A)	8.89	8.97	9.05	9.12	9.16	9.21	9.27	9.34
Module Efficiency (%)	15.80	16.05	16.31	16.56	16.82	17.07	17.33	17.58

*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)	228	231.9	235.7	240.2	244.8	249	253.5	257.4
Maximum Power Voltage Vmpp(V)	34.3	34.5	34.7	34.9	35.3	35.6	35.9	36.2
Maximum Power Current Imp(A)	6.65	6.72	6.79	6.88	6.94	7.00	7.06	7.11
Open Circuit Voltage Voc(V)	42.2	42.4	42.6	42.8	43.0	43.1	43.3	43.5
Short Circuit Current Isc(A)	7.20	7.26	7.33	7.38	7.41	7.46	7.50	7.56

*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

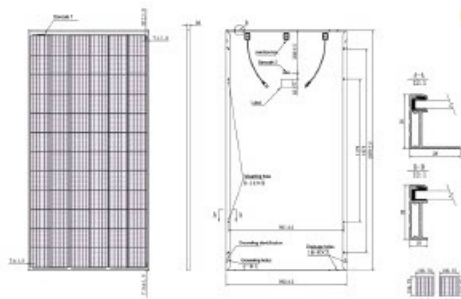
TEMPERATURE RATINGS

NOCT	45°C ±2°C
Temperature coefficient of Pmax	-0.408%/K
Temperature coefficient of Voc	-0.31%/K
Temperature coefficient of Isc	0.06%/K

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

DIMENSION OF THE PV MODULE (mm)



MECHANICAL DATA

Solar cells	Poly 156.75×156.75 mm
Cells orientation	72 (6×12)
Module dimension	1978×992×30 mm(With Frame)
Weight	25.5 kg
Glass	2.0mm+2.0mm heat strengthened glass
Junction box	IP 68, 3 diodes
Cables	4 mm ² , 350 mm
Connectors	MC4-compatible

PACKAGING INFORMATION

Packing Type	40' HQ
Piece/Box	36
Piece/Container	912

I-V CURVES OF THE PV MODULE

