

ZXM6-NH156 Series

Znshinesolar 9BB **HALF-CELL** Mono PV Module

Mono Poly Solutions

420W | 425W | 430W | 435W | 440W | 445W

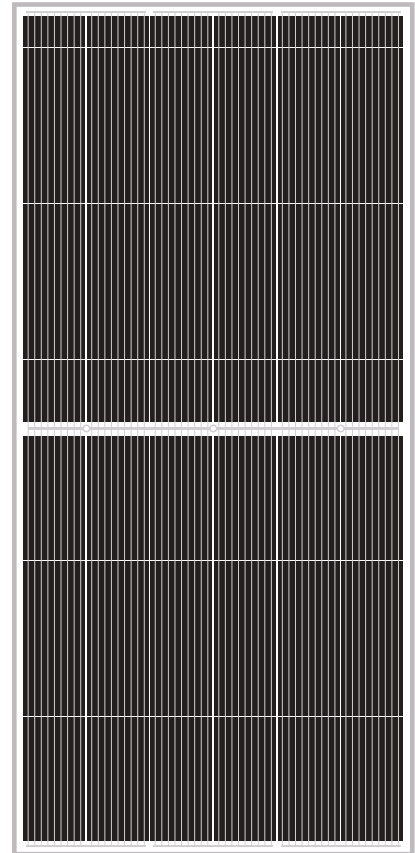
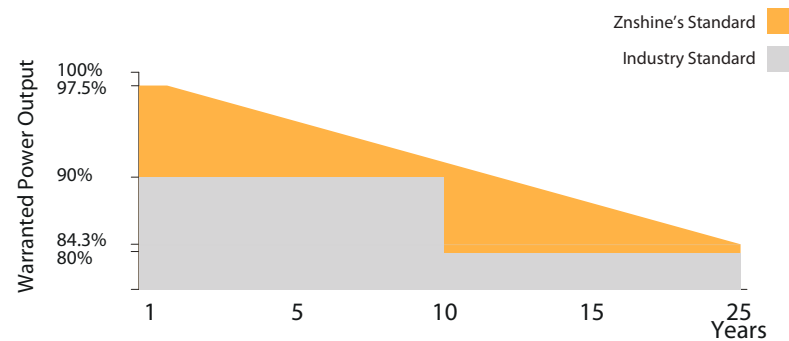
Made with selected materials and components to grant quality, duration, efficiency and through outputs, the ZXM6-NH156 monocrystal-line modules by ZNSHINE SOLAR represent a highly flexible solution for diverse installation types, from industrial rooftop plants to small home PV systems or large ground surfaces. This allows you to produce clean energy while reducing your energy bill.

ZNSHINE SOLAR' S ZXM6-NH156 monocrystalline solar modules are tested and approved by international acknowledged laboratories, so that we can offer our customers a reliable and price-quality optimized product. The linear warranty on product outputs further ensures increased security and return on investments over time.

12 years product warranty for general application

15 years product warranty for Rooftop PV system

25 years output warranty / 0.55% Annual Degradation over 25 years



9 Busbar Solar Cell
 No power loss thanks to improved temperature co-efficient caused by 9 busbar solar cell

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



ELECTRICAL PROPERTIES | STC*

Module Type	ZXM6-NH156 -420/M	ZXM6-NH156 -425/M	ZXM6-NH156 -430/M	ZXM6-NH156 -435/M	ZXM6-NH156 -440/M	ZXM6-NH156 -445/M
Nominal Power Watt Pmax(W)	420	425	430	435	440	445
Power Output Tolerance Pmax(%)	420±3%	425±3%	430±3%	435±3%	440±3%	445±3%
Maximum Power Voltage Vmp(V)	44.2	44.5	44.8	45.1	45.4	45.7
Maximum Power Current Imp(A)	9.51	9.56	9.60	9.65	9.70	9.74
Open Circuit Voltage Voc(V)	53.0±3%	53.3±3%	53.6±3%	53.9±3%	54.2±3%	54.5±3%
Short Circuit Current Isc(A)	10.06±3%	10.10±3%	10.14±3%	10.18±3%	10.22±3%	10.27±3%
Module Efficiency (%)	19.21	19.44	19.67	19.90	20.12	20.35

*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)	312.6	316.2	319.6	323.4	327.1	330.6
Maximum Power Voltage Vmpp(V)	40.9	41.2	41.5	41.8	42.1	42.3
Maximum Power Current Impp(A)	7.64	7.67	7.70	7.74	7.77	7.82
Open Circuit Voltage Voc(V)	49.3	49.6	49.9	50.1	50.4	50.7
Short Circuit Current Isc(A)	8.12	8.16	8.19	8.22	8.25	8.30

*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	44°C ±3°C
Temperature coefficient of Pmax	-0.36%/°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	20 A
Maximum load front/back	3600/1600 with safety factor 1.5

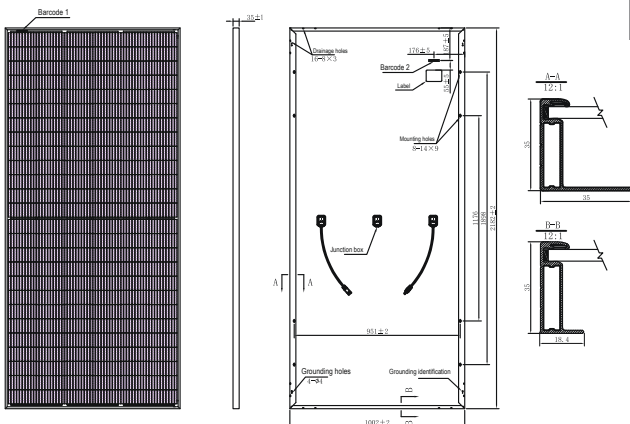
MECHANICAL DATA

Solar cells	Mono 158.75*79.375mm
Cells orientation	156 (6×26)
Module dimension	2182×1002×35 mm
Weight	24 kg
Glass	High transparency,low iron,tempered Glass 3.2mm (AR-coating)
Junction box	IP 68, 3 diodes
Cables	H1Z2Z2-K 1×4,0mm ²
Connectors	LJQ-3 Taizhou jinxiu Electrical Science & Technology Co., Ltd. manufactured in China

PACKAGING INFORMATION

Packing Type	40' HQ
Piece/Box	30
Piece/Container	650/700

DIMENSION OF THE PV MODULE (mm)



I-V CURVES OF THE PV MODULE

