



ZXI8-GPLDD132 Series

HJT HALF-CELL Bifacial Double Glass

Monocrystalline Steel Frame PV Module

690-715W

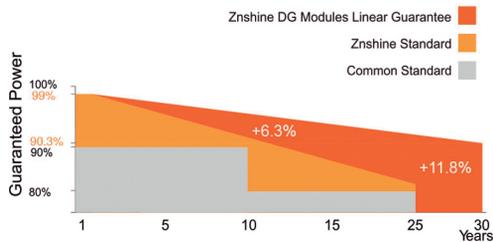
POWER RANGE

23.0%

MAXIMUM EFFICIENCY

0.30%

YEARLY DEGRADATION



*Please check the Limited Warranty for Standard PV Modules which is officially released by ZNSHINE PV-TECH Co.,Ltd.

KEY FEATURES



Excellent Cells Efficiency

High power and efficiency, resulting in lower LCOE and BOS costs.



Better Weak Illumination Response

More power output in weak light condition, such as haze, cloudy, and early morning.



Anti PID

Ensured PID resistance through the quality control of cell manufacturing process and raw materials.



Adapt To Harsh Outdoor Environment

Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity environment.



TIER 1

Global, Tier 1 bankable brand, with independently certified advanced automated manufacturing.



Excellent Quality Management System

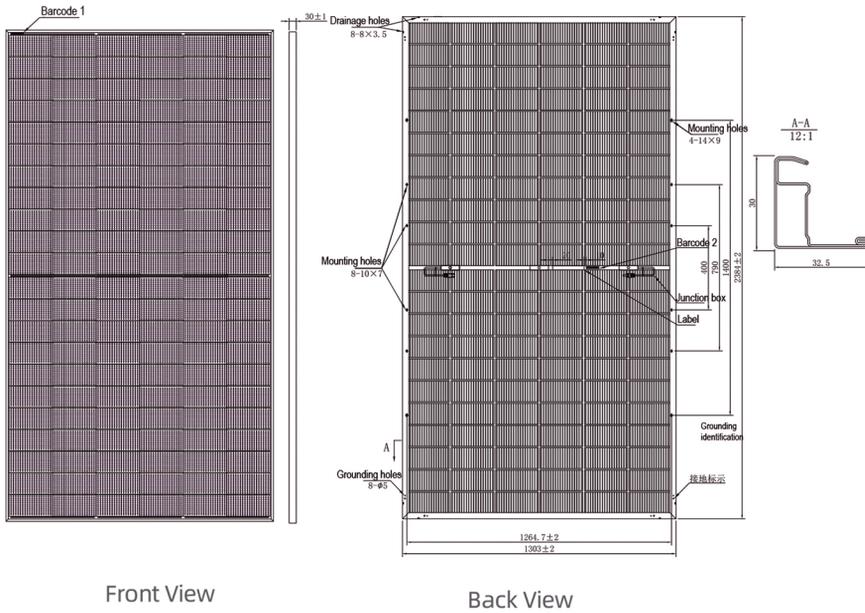
Warranted reliability and stringent quality assurances well beyond certified requirements.



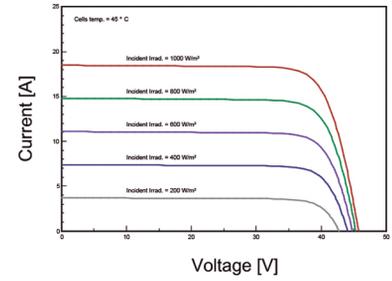
Power generation gain

Ultra-high bifacial factor(90±10%), Bring the highest power generation revenue.

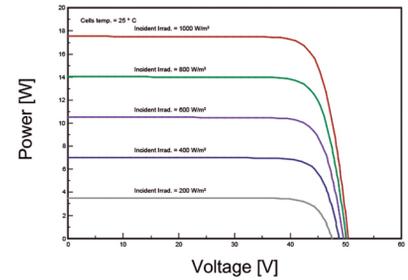
DIMENSIONS OF PV MODULE(mm)



I-V CURVES OF PV MODULE(710W)



P-V CURVES OF PV MODULE(710W)



*Remark: customized frame color and cable length available upon request

ELECTRICAL CHARACTERISTICS | STC*

| | | | | | | |
|------------------------------|-------|-------|-------|-------|-------|-------|
| Nominal Power Watt Pmax(W)* | 690 | 695 | 700 | 705 | 710 | 715 |
| Maximum Power Voltage Vmp(V) | 41.40 | 41.50 | 41.60 | 41.70 | 41.80 | 41.90 |
| Maximum Power Current Imp(A) | 16.67 | 16.75 | 16.83 | 16.91 | 16.99 | 17.07 |
| Open Circuit Voltage Voc(V) | 49.60 | 49.70 | 49.80 | 49.90 | 50.00 | 50.10 |
| Short Circuit Current Isc(A) | 17.84 | 17.91 | 17.98 | 18.05 | 18.12 | 18.19 |
| Module Efficiency (%) | 22.2 | 22.4 | 22.5 | 22.7 | 22.9 | 23.0 |

*The data above is for reference only and the actual data is in accordance with the practical testing
 *STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25±2°C, AM 1.5
 *Measuring uncertainty: ±3%, all the electrical characteristics such as Power, Im, Vm and FF are within ±3% tolerance.

MECHANICAL DATA

| | |
|-------------------|--|
| Solar cells | HJT Monocrystalline |
| Cells orientation | 132 (6×22) |
| Module dimension | 2384×1303×30 mm (With Frame) |
| Weight | 41.5±1.0 kg |
| Glass | 2.0 mm+2.0mm, High Transmission, AR Coated Heat Strengthened Glass |
| Junction box | IP 68, 3 diodes |
| Cables | 4 mm² ,350 mm (With Connectors) |
| Connectors* | MC4-EVO2 compatible |

*Please refer to regional datasheet for specified connector

ELECTRICAL CHARACTERISTICS | NMOT*

| | | | | | | |
|-------------------------------|--------|--------|--------|--------|--------|--------|
| Maximum Power Pmax(Wp) | 532.60 | 536.40 | 539.80 | 543.50 | 547.10 | 550.80 |
| Maximum Power Voltage Vmpp(V) | 39.00 | 39.10 | 39.20 | 39.30 | 39.40 | 39.50 |
| Maximum Power Current Imp(A) | 13.67 | 13.72 | 13.78 | 13.83 | 13.89 | 13.94 |
| Open Circuit Voltage Voc(V) | 47.40 | 47.50 | 47.60 | 47.70 | 47.80 | 47.90 |
| Short Circuit Current Isc(A) | 14.39 | 14.45 | 14.51 | 14.56 | 14.62 | 14.68 |

*NMOT: Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

TEMPERATURE RATINGS

| | |
|---------------------------------|-------------------|
| NMOT | 43°C ±2°C |
| Temperature coefficient of Pmax | (-0.24±0.024)%/°C |
| Temperature coefficient of Voc | -0.22%/°C |
| Temperature coefficient of Isc | 0.047%/°C |
| Refer. Bifacial Factor | (90±10)% |

WORKING CONDITIONS

| | |
|-----------------------------------|--------------|
| Maximum system voltage | 1500 V DC |
| Operating temperature | -40°C~+85°C |
| Maximum series fuse | 35 A |
| Front Side Maximum Static Loading | Up to 5400Pa |
| Rear Side Maximum Static Loading | Up to 2400Pa |

PACKAGING CONFIGURATION *

| | |
|------------------------|-----|
| Piece/Box | 36 |
| Piece/Container(40'HQ) | 648 |

*Customized packaging is available upon request.
 *Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer.
 They only serve for comparison among different module types.
 *Caution: Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.

ELECTRICAL CHARACTERISTICS (REAR POWER GAIN)*

| | | | | | | | |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|
| 5% | Maximum Power:Pmax(W) | 725 | 730 | 735 | 740 | 746 | 751 |
| | Module Efficiency(%) | 23.32 | 23.49 | 23.66 | 23.83 | 24.00 | 24.17 |
| 15% | Maximum Power:Pmax(W) | 794 | 799 | 805 | 811 | 817 | 822 |
| | Module Efficiency(%) | 25.54 | 25.73 | 25.91 | 26.10 | 26.28 | 26.47 |
| 25% | Maximum Power:Pmax(W) | 863 | 869 | 875 | 881 | 888 | 894 |
| | Module Efficiency(%) | 27.77 | 27.97 | 28.17 | 28.37 | 28.57 | 28.77 |

*Bifacial Gain: The additional gain from the back side compared to the power of the front side at the standard test condition.
 It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.