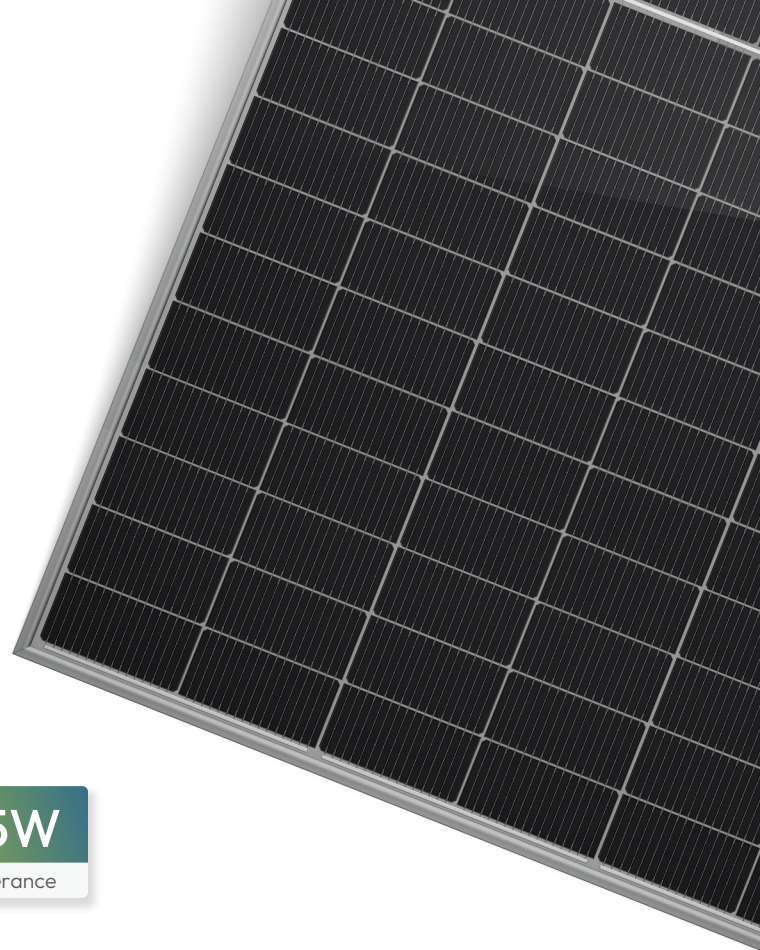


TY-N16-132HG

610-630W

N-Type Bifacial With Dual Glass



30Year
Linear Power Warranty

23.30%
Max. Efficiency

0~+5W
Power Tolerance



N-type Technology

N-type TOPCon modules feature lower LID/LeTID degradation and superior low-light performance.



HOT 3.0 Technology

N-type modules with JinkoSolar HOT 3.0 deliver higher reliability and efficiency.



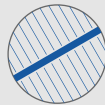
Dual-Sided Power Generation

Dual-sided power generation gain rises with backside light exposure, greatly lowering LCOE.



Mechanical Load Enhanced

Certified to withstand:
5400 Pa front side max static test load
2400 Pa rear side max static test load



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



Anti-PID Guarantee

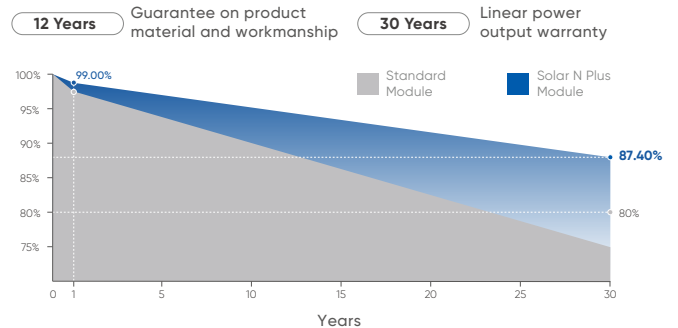
Optimized cell production and material control minimize PID-induced degradation.

CERTIFICATION



IEC61215, IEC61730
ISO9001:2015 Quality Management System
ISO14001:2015 Environment Management System
ISO45001:2018 Occupational Health and Safety
IEC62941, IEC/TS62994

WARRANTY



610-630W

ELECTRICAL CHARACTERISTICS (STC) TY-N16-132HG

| | | | | | |
|-----------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pm) W | 610 | 615 | 620 | 625 | 630 |
| Power Tolerance (W) | 0~+5 | | | | |
| Maximum Power Voltage (Vm) | 40.46 | 40.60 | 40.74 | 40.88 | 41.02 |
| Maximum Power Current (Im) | 15.08 | 15.15 | 15.22 | 15.29 | 15.36 |
| Open Circuit Voltage (Voc) | 48.68 | 48.88 | 49.08 | 49.28 | 49.48 |
| Short Circuit Current (Isc) | 15.96 | 16.02 | 16.08 | 16.14 | 16.2 |
| Module Efficiency | 22.6 | 22.8 | 23.0 | 23.1 | 23.3 |

STC: AM=1.5, irradiance=1000W/m², module temperature=25°C

ELECTRICAL CHARACTERISTICS (NMOT)

| | | | | | |
|-----------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pm) W | 461 | 465 | 469 | 473 | 477 |
| Maximum Power Voltage (Vm) | 38.0 | 38.2 | 38.4 | 38.7 | 38.9 |
| Maximum Power Current (Im) | 12.14 | 12.17 | 12.21 | 12.24 | 12.27 |
| Open Circuit Voltage (Voc) | 46.1 | 46.4 | 46.6 | 46.8 | 47.0 |
| Short Circuit Current (Isc) | 12.76 | 12.78 | 12.81 | 12.84 | 12.87 |

NMOT: irradiance=800W/m², environment temperature=20°C, wind speed=1m/s

REAR SIDE POWER GAIN

| | | | | | | |
|-----|------------|-------|-------|-------|-------|-------|
| 5% | Max Power | 641 | 646 | 651 | 656 | 662 |
| | Efficiency | 24.79 | 25.00 | 25.20 | 25.40 | 25.61 |
| 15% | Max Power | 702 | 707 | 713 | 719 | 725 |
| | Efficiency | 27.16 | 27.38 | 27.60 | 27.82 | 28.05 |
| 25% | Max Power | 763 | 769 | 775 | 781 | 788 |
| | Efficiency | 29.52 | 29.76 | 30.00 | 30.24 | 30.48 |

MECHANICAL SPECIFICATIONS

| | |
|----------------------------|---|
| External Dimension (L×W×H) | 2382×1134×30mm |
| Weight | 33kg |
| Number of Cells | 132 (6×22) |
| Front Glass | 2.0mm AR-coating heat-strengthened glass |
| Rear Glass | 2.0mm heat-strengthened glass |
| Frame | Anodized aluminum alloy, silver color |
| Junction Box | IP68 |
| Output Cables | 4mm ² , 300mm or customized length |
| Connector | MC4 compatible |

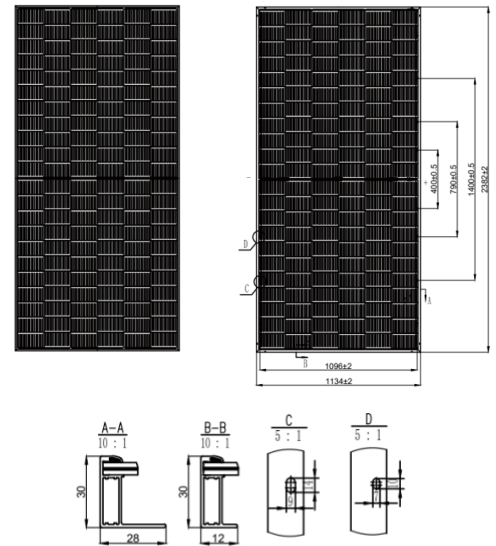
APPLICATION CONDITIONS

| | |
|----------------------------|-----------------------------|
| Maximum System Voltage | DC1500V (IEC) |
| Maximum Series Fuse Rating | 30A |
| Operating Temperature | -40°C~+85°C |
| Mechanical Load | 5400Pa/2400Pa |
| Hail Test | 25mm diameter hail at 23m/s |
| Bifaciality | 80±5% |
| Application Rating | Class A |

TEMP CHARACTERISTICS

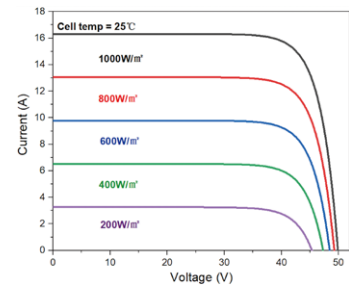
| | |
|--------------------------------------|-----------|
| Nominal Module Operating Temperature | 42±2°C |
| Temperature Coefficient of Pmax | -0.29%/°C |
| Temperature Coefficient of Voc | -0.25%/°C |
| Temperature Coefficient of ISC | 0.045%/°C |

TECHNICAL DRAWING

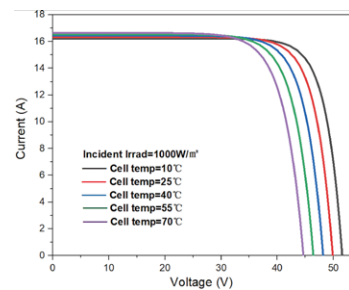


I-V CURVE

I-V characteristics at different irradiance



I-V characteristics at different temperatures



PACKING CONFIGURATION

| | |
|----------------------|-------------------|
| Container | 40'HC |
| Pieces per Pallet | 36 pcs |
| Packaging box Size | 2439×1145×1260×mm |
| Pieces per Container | 720 pcs |



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Note: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in this datasheet are subject to change without notice.

TY-N16-132HG

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