



M10



Guarantee on product material and workmanship



Linear power output warranty

**Bifacial Module
NB96M-NM10PB-A(370~385)
Solar Cells With PERC Technology
High Efficiency MONO Solar Module**

Excellent technical advantages and system design scheme to achieve high reliability, power generation effective gain and EPC cost reduction. Products can match different installation conditions, taking into account high adaptability and high compatibility. With mature support and inverter scheme, customized design for industrial and commercial and centralized ground power stations.



Mono MBB half cut technology
Double-sided electricity generation



Production process reliability test



3 times EL test to ensure best quality



Competitive low light performance



Less mismatch to get more power



Less power loss by minimizing the shading impact

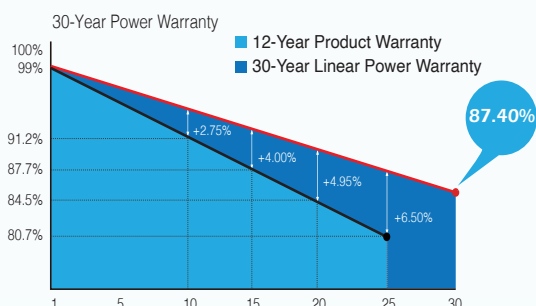


Ideal choice for utility and commercial scale projects by reduced BOS and improved ROI



Outstanding reliability proven by PVEL for stringent environment condition: Sand, Acid, Salt, Hailstones Anti-PID

QUALITY ASSURANCE



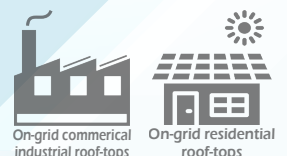
CERTIFICATION



TUV: IEC/EN 61215, IEC/EN 61730
GB/T 19001-2016 / ISO 9001:2015
GB/T 24001-2016 / ISO 14001:2015
CHSAS: 18001:2007
CNAS-CL01: ISO/IEC 17025:2017



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NB96M-NM10PB-A

M10-96 Half-Cut Cell | MBB Mono PERC | N-Type | Bifacial Module

ELECTRICAL PARAMETERS

* Measurement tolerance: Pmax:±3%, Voc:±3%, Isc:±5%.

| Module Type | NB96M-NM10PB-A370 | | NB96M-NM10PB-A375 | | NB96M-NM10PB-A380 | | NB96M-NM10PB-A385 | |
|----------------------------------|-------------------|--------|-------------------|--------|-------------------|--------|-------------------|--------|
| | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
| Maximum Power - Pmax (W) | 370 | 279.12 | 375 | 282.90 | 380 | 286.67 | 385 | 290.44 |
| Maximum Power Voltage - Vmpp (V) | 28.29 | 26.55 | 28.48 | 26.72 | 28.67 | 26.90 | 28.86 | 27.08 |
| Maximum Power Current - Imp (A) | 13.08 | 10.55 | 13.17 | 10.62 | 13.26 | 10.69 | 13.34 | 10.76 |
| Open Circuit Voltage - Voc (V) | 34.24 | 32.71 | 34.47 | 32.92 | 34.70 | 33.14 | 34.93 | 33.36 |
| Short Circuit Current - Isc (A) | 13.81 | 11.15 | 13.91 | 11.23 | 14.01 | 11.31 | 14.09 | 11.37 |
| Module Efficiency | 21.24 | | 21.53 | | 21.81 | | 22.1 | |

STC: irradiance 1,000 W/m²; Spectra at AM 1.5; module temperature 25°C. Power output tolerance: 0~+5W. Measuring tolerance of power: ±3%
 NMOT: irradiance 800 W/m²; Spectra at AM 1.5; Cell temperature 45°C; Ambient temperature 20°C. Wind speed 1m/s

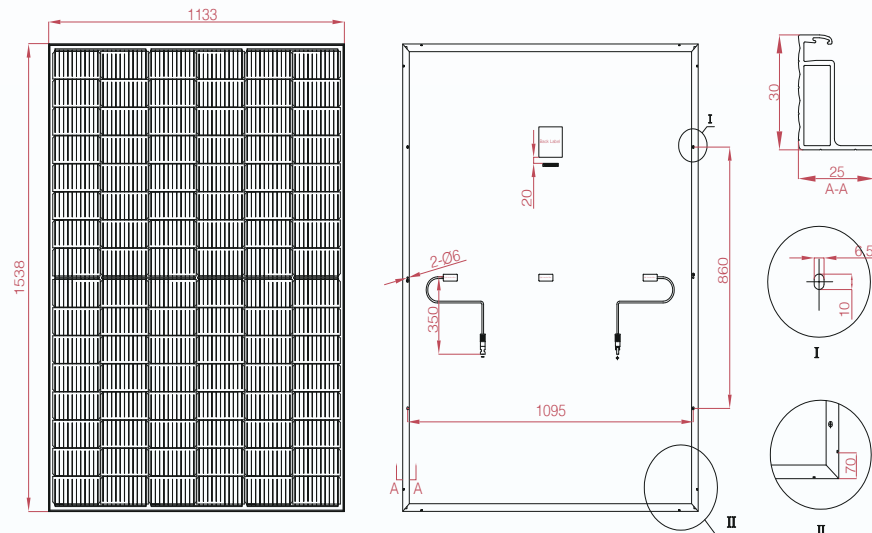
BIFACIAL REAR SIDE POWER GAIN

Electrical characteristics with different rear side power gain for reference to 340W front.

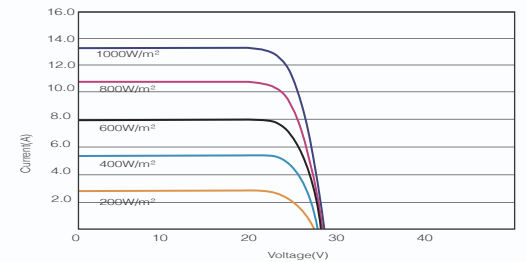
| Maximum Power | Pmax Gain | Voc/V | Isc/A | Vmp/V | Imp/A |
|---------------|-----------|-------|-------|-------|-------|
| 423.5W | 10% | 34.94 | 15.49 | 28.87 | 14.67 |
| 442.75W | 15% | 34.95 | 16.20 | 28.88 | 15.34 |
| 462W | 20% | 34.97 | 16.90 | 28.89 | 16 |
| 481.25W | 25% | 34.98 | 17.60 | 28.90 | 16.66 |

Bifacial gain: the additional gain from the rear 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.

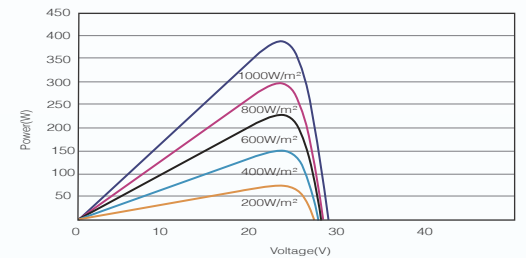
DIMENSIONS OF PV MODULE



I - V CURVES OF PV MODULE



P - V CURVES OF PV MODULE



MECHANICAL DATA

| | | | |
|---------------------------|------------------------------------|---------------------------------|----------------|
| Solar Cells (mm) | 182 x 91mm Mono PERC | NMOT | 45°C (±2°C) |
| Cell Orientation | 96 Cells (6 x 16) | Temperature Coefficient of Pmax | -0.30%/°C |
| Module Dimensions (L*W*H) | 1538x1133x30mm | Temperature Coefficient of Voc | -0.249%/°C |
| Weight (Kg) | 17.8 kg | Temperature Coefficient of Isc | +0.045%/°C |
| Glass | 3.2 mm coated tempered glass | MAXIMUM RATING | |
| Backsheet | Transparent | Operational Temperature (°C) | -40°C to +85°C |
| Frame | Silver anodized aluminum alloy | Maximum System Voltage (VDC) | 1500 |
| J-Box | IP68, 3 bypass diodes | Max Series Fuse Rating (A) | 25 |
| Cables | Length 350mm, 1x4.0mm ² | Mechanical Load Front (Pa) | 5,400 |
| Connector | MC4 and MC4 Compatible | Mechanical Load Back (Pa) | 2,400 |

PACKING CONFIGURATION

Module per box: 36 Pieces

MODULE PER CONTAINER

1008 Pieces

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCTS.

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