



# M10

**12 YEARS** Guarantee on product material and workmanship

**25 YEARS** Linear power output warranty

**Bifacial Module  
NB96M-M10PB-A(350~370)  
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

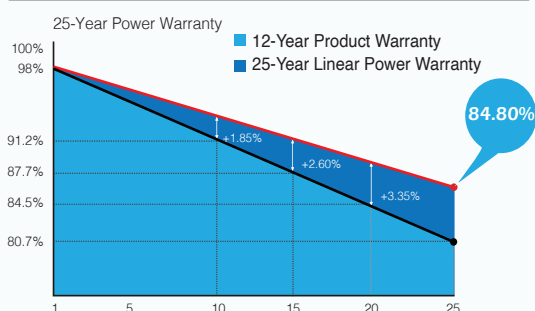


Ideal choice for utility and commercial scale projects by reduced BOS and improved ROI



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-M10PB-A

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

## ELECTRICAL PARAMETERS

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

Module Type	NB96M-M10PB-	A350		A350		A350		A350		A350	
		STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power - Pmax (W)		350	260.48	355	264.20	360	267.92	365	271.64	370	275.37
Maximum Power Voltage - Vmpp (V)		27.37	25.46	27.56	25.64	27.75	25.82	27.94	25.99	28.13	26.17
Maximum Power Current - Imp (A)		12.79	10.23	12.89	10.31	12.98	10.38	13.07	10.45	13.16	10.52
Open Circuit Voltage - Voc (V)		33.15	31.30	33.38	31.51	33.61	31.73	33.84	31.95	34.07	32.17
Short Circuit Current - Isc (A)		13.46	10.87	13.57	10.96	13.66	11.03	13.76	11.11	13.85	11.19
Module Efficiency		20.09		20.38		20.66		20.95		21.24	

STC: irradiance 1,000 W/m<sup>2</sup>; Spectra at AM 1.5; module temperature 25°C. Power output tolerance: 0~+5W. Measuring tolerance of power: ±3%  
 NMOT: irradiance 800 W/m<sup>2</sup>; Spectra at AM 1.5; Cell temperature 45°C; Ambient temperature 20°C. Wind speed 1m/s

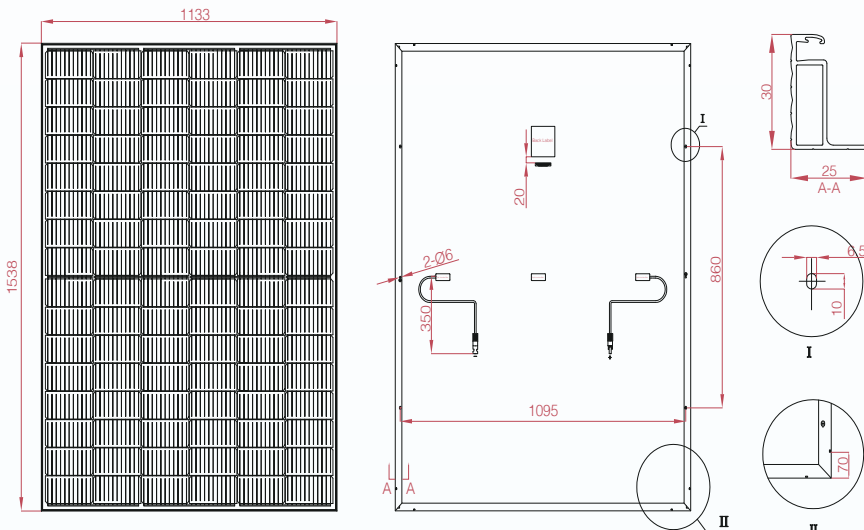
## BIFACIAL REAR SIDE POWER GAIN

Electrical characteristics with different rear side power gain for reference to 360W front.

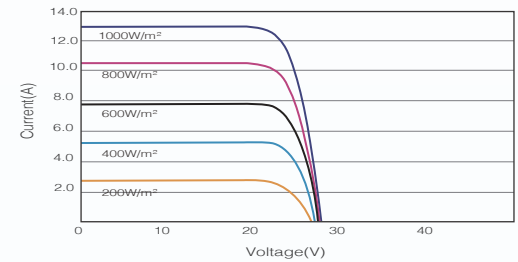
Maximum Power	Pmax Gain	Voc/V	Isc/A	Vmp/V	Imp/A
396W	10%	33.63	15.02	27.76	14.27
414W	15%	33.64	15.69	27.77	14.91
432W	20%	33.65	16.38	27.78	15.56
450W	25%	33.66	17.05	27.79	16.2

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.

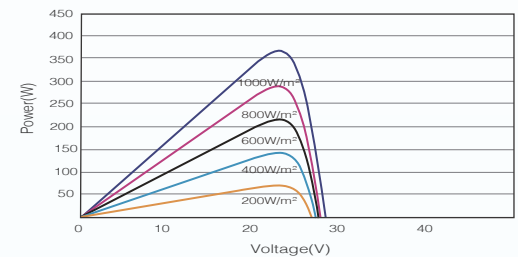
## DIMENSIONS OF PV MODULE



## I - V CURVES OF PV MODULE



## P - V CURVES OF PV MODULE



## MECHANICAL DATA

Solar Cells (mm)	182 x 91 Mono Bifacial PERC	NMOT	45°C (±2°C)
Cell Orientation	96 Cells (6 x 16)	Temperature Coefficient of Pmax	-0.348%/°C
Module Dimensions (L*W*H)	1538x1133x30mm	Temperature Coefficient of Voc	-0.262%/°C
Weight (Kg)	17.8 kg	Temperature Coefficient of Isc	+0.05%/°C
Glass	3.2 mm coated tempered glass	<b>MAXIMUM RATING</b>	
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 <sup>2</sup>	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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