

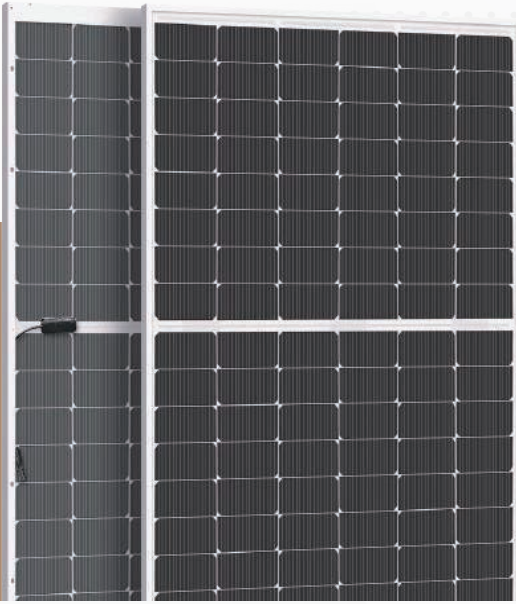
# MONO



12-year Warranty for Materials and Processing



30-year Warranty for Extra Linear Power Output



## Bifacial Module T96M-NM10PB-A(370-385)

### Solar Cells With PERC Technology High Efficiency MONO Solar Module

#### FEATURE

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.



Advance production process  
Optimized MBB design  
Double-sided electricit generation



Superior quality control  
Full automatic production line  
ISO 9000:2015 Quality Management System  
100% three times EL and appearance inspection



Excellent power generation performance  
0~+5 positive power tolerance  
Improved low light irradiance performance



Stable mechanical performance  
Passed rigorous hail test  
Withstands 5400 Pa Snow and 2400 Pa wind loads



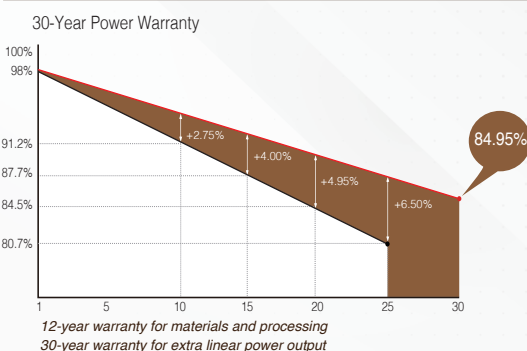
Long weather resistance  
Excellent anti- PID performance  
Certified in fireproofing for safety

#### 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

#### QUALITY ASSURANCE



TAMRONS ACTIVE INTERNATIONAL LIMITED

www.tamrons.com | sales@tamrons.com  
©2023 TAMRONS ACTIVE INTERNATIONAL LIMITED.



# T96M-NM10PB-A

M10 N-type 96 Half-Cut Cell | MBB BIFACIAL Mono PERC | Transparent Back Sheet



## ELECTRICAL PARAMETERS

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

Module Type	T96M-NM10PB-A370		T96M-NM10PB-A375		T96M-NM10PB-A380		T96M-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/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

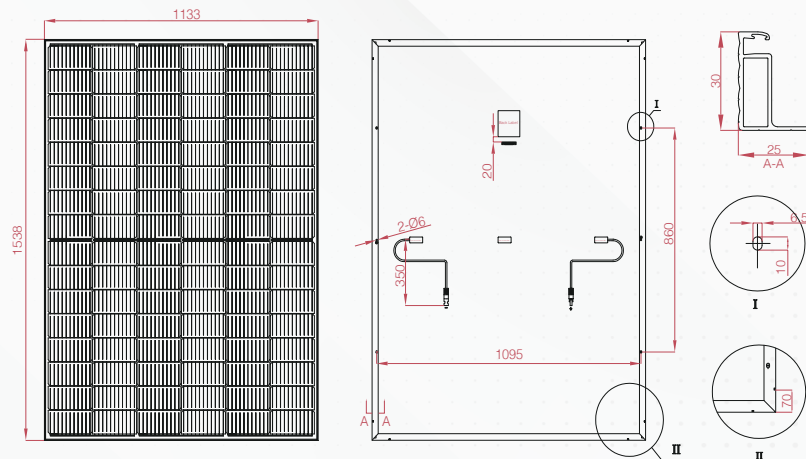
## BIFACIAL REAR SIDE POWER GAIN

Electrical characteristics with different rear side power gain for reference to 380W front.

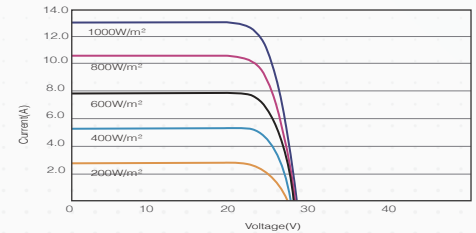
Maximum Power	Pmax Gain	Voc/V	Isc/A	Vmp/V	Imp/A
423.5W	10%	34.94	15.49	28.87	14.67
442.75W	15%	34.95	16.20	28.88	15.34
462W	20%	34.97	16.90	28.89	16
481.25W	25%	34.98	17.60	28.90	16.66

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.

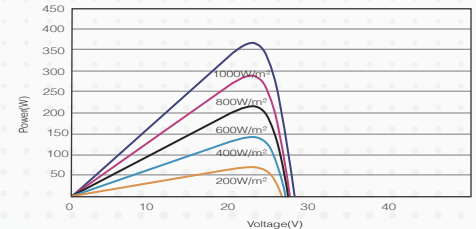
## DIMENSIONS OF PV MODULE



## I - V CURVES OF PV MODULE



## P - V CURVES OF PV MODULE



## MECHANICAL DATA

Solar Cells (mm)	182 x 91 N-type Mono Bifacial
Cell Orientation	96 Cells (6 x 16)
Module Dimensions (L*W*H)	1538 x 1133 x 30mm
Weight (Kg)	17.8 kg
Glass	3.2 mm coated tempered glass
Backsheet	Transparent
Frame	Silver anodized aluminum alloy
J-Box	IP68, 3 bypass diodes
Cables	Length 350mm, 1x4.0mm <sup>2</sup>
Connector	MC4 and MC4 Compatible

## TEMPERATURE RATINGS

NMOT	45°C (±2°C)
Temperature Coefficient of Pmax	-0.3%/°C
Temperature Coefficient of Voc	-0.249%/°C
Temperature Coefficient of Isc	+0.045%/°C

## MAXIMUM RATING

Operational Temperature (°C)	-40°C to +85°C
Maximum System Voltage (VDC)	1500
Max Series Fuse Rating (A)	25
Mechanical Load Front (Pa)	5,400
Mechanical Load Back (Pa)	2,400

## PACKING CONFIGURATION

Module per box: 36 Pieces

## MODULE PER CONTAINER

1008 PCs / 40'HC

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

©2023 TAMRONS ACTIVE INTERNATIONAL LIMITED. Specification included in this datasheet are subject to change without notice.