

M2



Guarantee on product material and workmanship



Linear power output warranty

## NB72P-M2P-A(320~340) Solar Cells With PERC Technology High Efficiency POLY Solar Module

The modules adopt MBB, PERC cells and half-cut technology. The technology can reduce BOS cost for per wattage, at the same time, the half-cut technology can effectively reduce the heat spot risk of high power modules and show better power generation performance and reliability in system application.



Mono MBB half cut technology



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

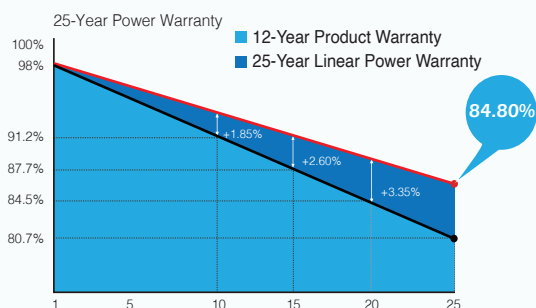


Ideal choice for utility and commercial scale projects by reduced BOS and improved ROI



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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# NB72P-M2P-A

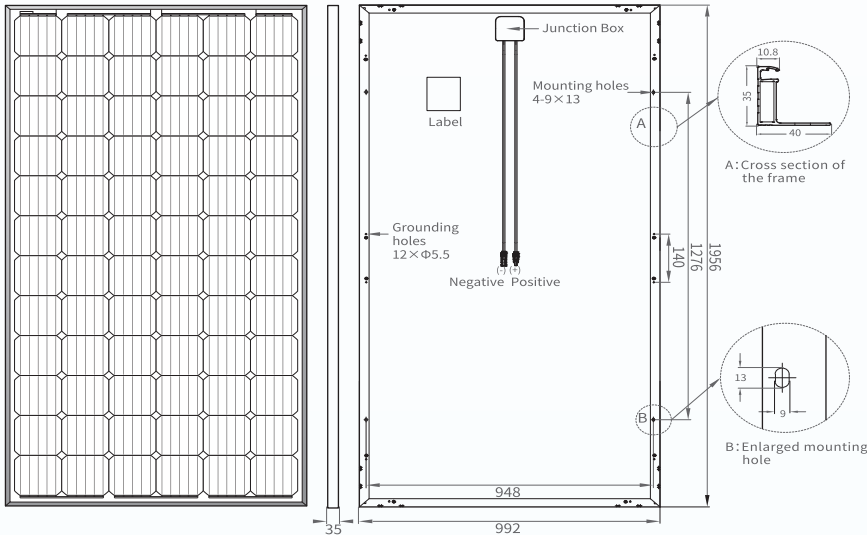
M2-72 Cell | 5BB Polycrystalline | White Back Sheet

## ELECTRICAL PARAMETERS

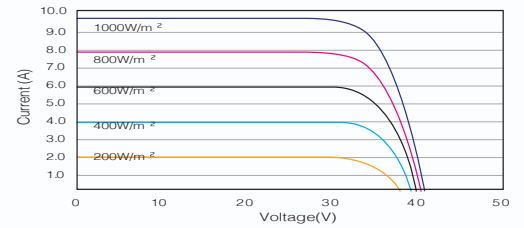
\* Measurement tolerance: Pmax:±3%, Voc:±3%, Isc:±5%.

Module Type	NB72P-M2P-	A320	A325	A330	A335	A340
<b>STC</b> AM1.5, 1000W/m <sup>2</sup> Cell Temperature 25°C	Max. Power at STC (Pmpp/W)	320	325	330	335	340
	Output Tolerance (W)	0~+5	0~+5	0~+5	0~+5	0~+5
	Max. Power Voltage (Vmp/V)	37.13	37.32	37.63	37.88	38.08
	Max. Power Current (Imp/A)	8.62	8.71	8.77	8.85	8.93
	Open Circuit Voltage (Voc/V)	45.78	45.86	46.01	46.15	46.33
	Short Circuit Current (Isc/A)	9.16	9.21	9.26	9.31	9.36
	Module Efficiency (%)	16.5	16.7	17.0	17.3	17.5
<b>NOCT</b> AM1.5, 800W/m <sup>2</sup> Ambient Temperature 20°C Wind Speed 1m/s	Max. Power at NOCT (Pmpp/W)	238.2	241.9	245.6	249.3	253.0
	Max. Power Voltage (Vmp/V)	34.54	34.71	35.01	35.23	35.42
	Max. Power Current (Imp/A)	6.90	6.97	7.02	7.08	7.14
	Open Circuit Voltage (Voc/V)	42.93	43.01	43.15	43.28	43.45
	Short Circuit Current (Isc/A)	7.39	7.43	7.47	7.51	7.55

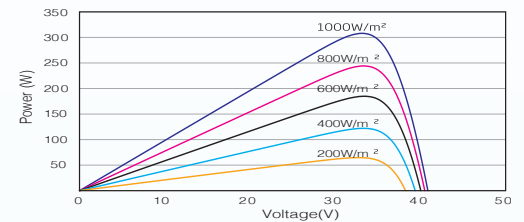
## DIMENSIONS OF PV MODULE



## I - V CURVES OF PV MODULE



## P - V CURVES OF PV MODULE



## MECHANICAL DATA

Solar Cells (mm)	156.75 x 156.75 Polycrystalline
Cell Orientation	60 Cells
Module Dimensions (L*W*H)	1956 x 992 x 35mm
Weight (Kg)	21.5 kg
Glass	3.2 mm coated tempered glass
Backsheet	White
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	-0.40%/°C
Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	+0.04%/°C
<b>MAXIMUM RATING</b>	
Operational Temperature (°C)	-40°C to +85°C
Maximum System Voltage (VDC)	1000
Max Series Fuse Rating (A)	15
Mechanical Load Front (Pa)	5,400
Mechanical Load Back (Pa)	2,400

## PACKING CONFIGURATION

Module per box: 31 Pieces

## MODULE PER CONTAINER

792 Pieces

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

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