

12-year Warranty for Materials and Processing



25-year Warranty for Extra Linear Power Output

## T120M-G1P-A(330-345)

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

#### FEATURE

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.



Advance production process

Optimized MBB design

Non-destructive cutting



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

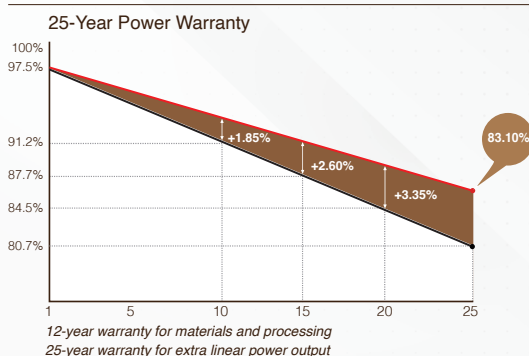
Certified in fireproofing for safety

#### 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.



# T120M-G1P-A

G1-120 Half-Cut Cell | MBB Mono PERC | White Back Sheet

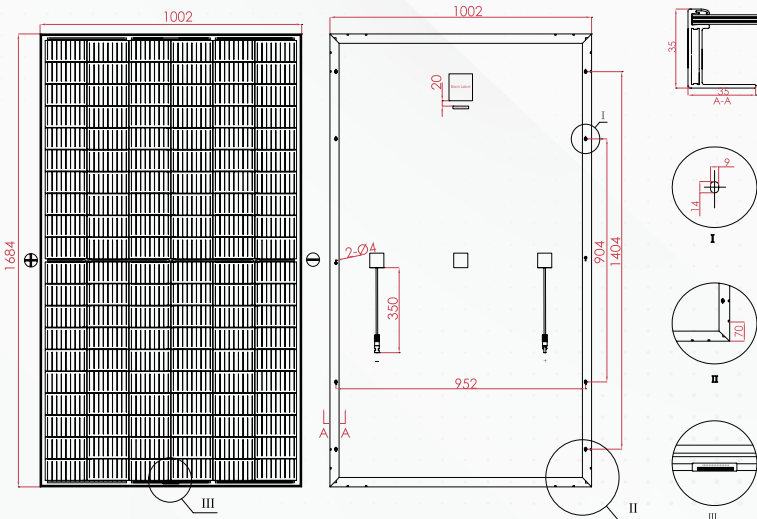


## ELECTRICAL PARAMETERS

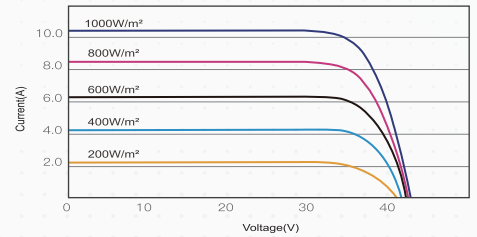
\* Measurement tolerance: Pmax:±3%, Voc:±3%, Isc:±5%.

Module Type	T120M-G1P-	A330	A335	A340	A345
<b>STC</b> AM1.5, 1000W/m <sup>2</sup> Cell Temperature 25°C	Max. Power at STC (Pmpp/W)	330	335	340	345
	Output Tolerance (W)	0~+5	0~+5	0~+5	0~+5
	Max. Power Voltage (Vmp/V)	33.93	34.14	34.33	34.51
	Max. Power Current (Imp/A)	9.73	9.82	9.91	10
	Open Circuit Voltage (Voc/V)	41.43	41.65	41.92	42.14
	Short Circuit Current (Isc/A)	10.28	10.31	10.46	10.56
	Module Efficiency (%)	19.56	19.86	20.15	20.45
<b>NOCT</b> AM1.5, 800W/m <sup>2</sup> Ambient Temperature 20°C Wind Speed 1m/s	Max. Power at NOCT (Pmpp/W)	246	250	254	257.7
	Max. Power Voltage (Vmp/V)	31.91	32.12	32.3	32.47
	Max. Power Current (Imp/A)	7.73	7.79	7.86	7.93
	Open Circuit Voltage (Voc/V)	38.33	38.55	38.8	39
	Short Circuit Current (Isc/A)	8.63	8.71	8.83	8.91

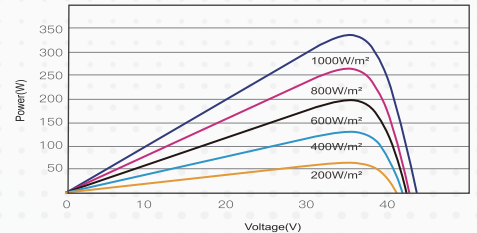
## DIMENSIONS OF PV MODULE



## I - V CURVES OF PV MODULE



## P - V CURVES OF PV MODULE



## MECHANICAL DATA

Solar Cells (mm)	158.75 x 79.375 Mono PERC
Cell Orientation	120 Cells (6 x 20)
Module Dimensions (L*W*H)	1684 x 1002 x 35mm
Weight (Kg)	19.1 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	-0.387%/°C
Temperature Coefficient of Voc	-0.282%/°C
Temperature Coefficient of Isc	+0.041%/°C
<b>MAXIMUM RATING</b>	
Operational Temperature (°C)	-40°C to +85°C
Maximum System Voltage (VDC)	1500
Max Series Fuse Rating (A)	20
Mechanical Load Front (Pa)	5,400
Mechanical Load Back (Pa)	2,400

## PACKING CONFIGURATION

Module per box: 31 Pieces

## MODULE PER CONTAINER

884 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.