

12-year Warranty for Materials and Processing



25-year Warranty for Extra Linear Power Output

Bifacial Module T120M-G1PB-A(325-340)

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
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



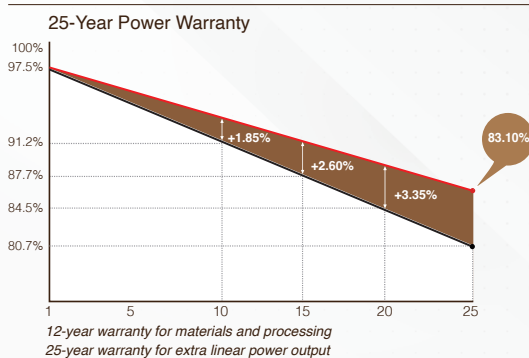
Long weather resistance
Excellent anti- PID performance
Certified in fireproofing for safety

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



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T120M-G1PB-A

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

ELECTRICAL PARAMETERS

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

Module Type	T120M-G1PB-A325		T120M-G1PB-A330		T120M-G1PB-A335		T120M-G1PB-A340	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power - Pmax (W)	325	242.54	330	246.27	335	250	340	254
Maximum Power Voltage - Vmpp (V)	33.72	31.72	33.91	31.9	34.12	32.1	34.33	32.3
Maximum Power Current - Imp (A)	9.64	7.65	9.74	7.73	9.82	7.79	9.91	7.86
Open Circuit Voltage - Voc (V)	41.4	38.08	41.37	38.29	41.63	38.53	41.92	38.8
Short Circuit Current - Isc (A)	10.12	8.55	10.23	8.64	10.31	8.71	10.46	8.83
Module Efficiency (%)	19.27		19.56		19.86		20.15	

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

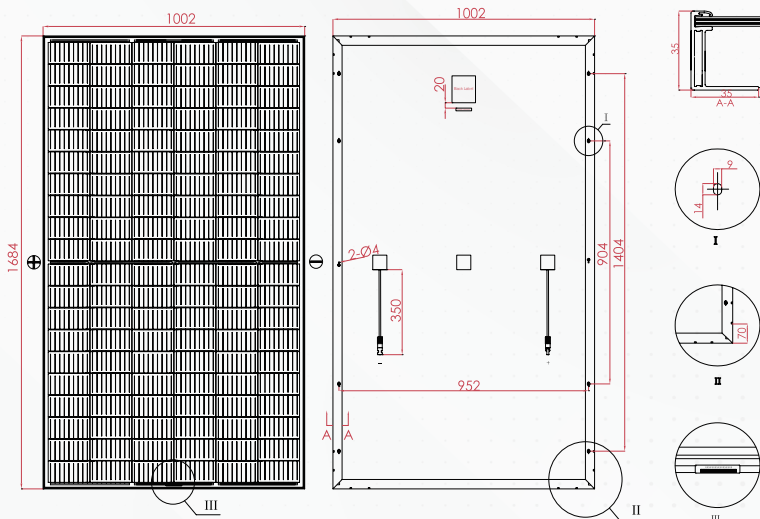
Electrical characteristics with different rear side power gain for reference to 340W front.

Maximum Power	Pmax Gain	Voc/V	Isc/A	Vmp/V	Imp/A
374W	10%	41.81	11.53	34.33	10.9
391W	15%	41.83	12.04	34.34	11.39
408W	20%	41.84	12.56	34.35	11.88
425W	25%	41.85	13.08	34.36	12.37

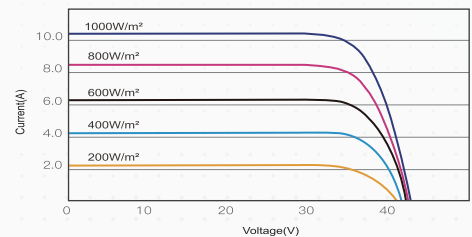
Bifacial gain: the additional gain from the rear side compared to the power of the front side at the standard test condition.

It depends on mounting (structure, height, tilt angle, etc.) and albedo of the ground.

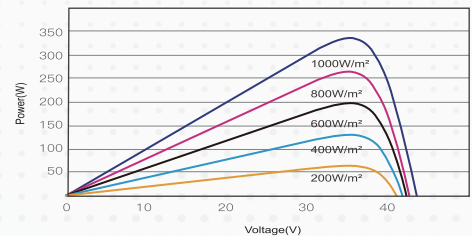
DIMENSIONS OF PV MODULE



I - V CURVES OF PV MODULE



P - V CURVES OF PV MODULE



MECHANICAL DATA

Solar Cells (mm)	158.75 x 79.375 Mono Bifacial
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	Transparent
Frame	Silver anodized aluminum alloy
J-Box	IP68, 3 bypass diodes
Cables	Length 350mm, 1x4.0mm ²
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

MAXIMUM RATING

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.

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