Tamrons
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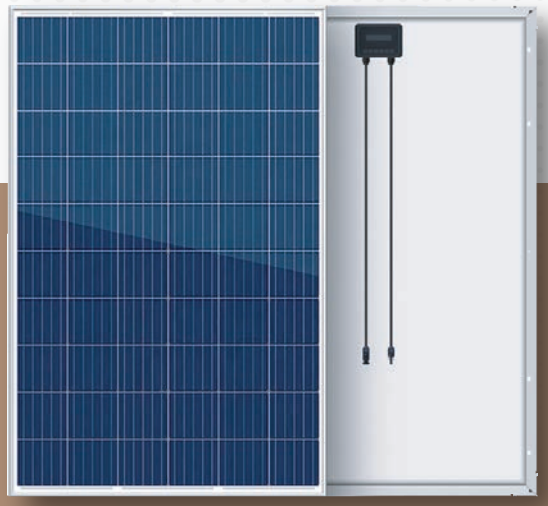
Tamrons Active International Limited



12 year — 12-year Warranty for Materials and Processing

25 year — 25-year Warranty for Extra Linear Power Output

T60P-M2P-A(275-295)

Solar Cells With PERC Technology
High Efficiency POLY Solar Module

FEATURE

All cell production line equipped with SE laser instrument.

Advanced process to reduce extra degradation of PERC cell.

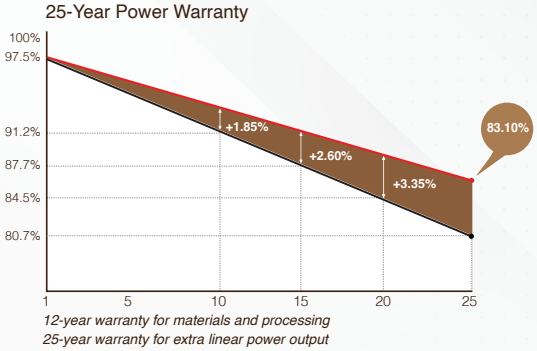
MBB and half-cut design to improve module reliability and reduces loss.

Higher power output effectively reduces BOS and LCOE.

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



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

+5W POSITIVE

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

PID

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

On-grid commerical industrial roof-tops

On-grid residential roof-tops

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

T60P-M2P-A

M2 60 Cell | 5BB Polycrystalline | White Back Sheet

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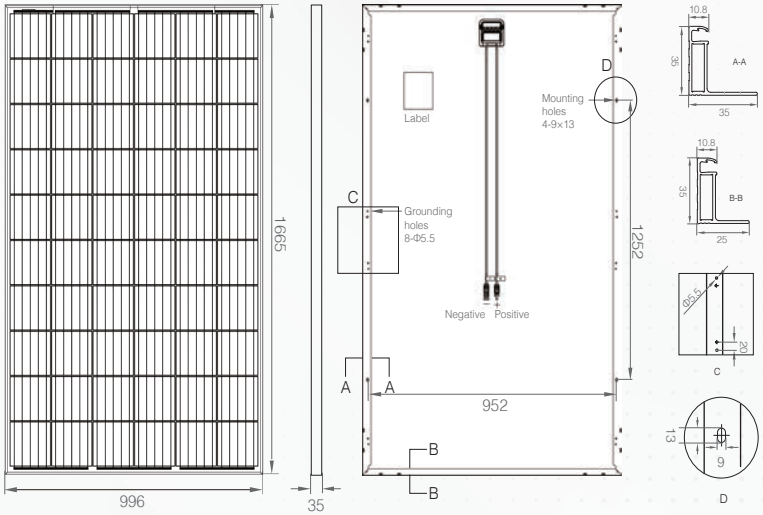
ELECTRICAL PARAMETERS

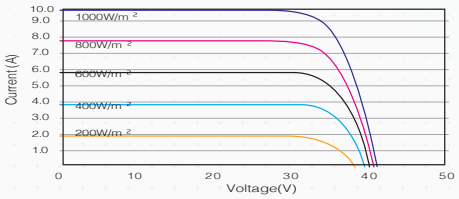
* Measurement tolerance: Pmax:±3%, Voc:±3%, Isc:±5%.

Module Type	T60P-M2P-	A275	A280	A285	A290	A295
STC AM1.5, 1000W/㎡ Cell Temperature 25℃	Max. Power at STC (Pmpp/W)	275	280	285	290	295
	Output Tolerance (W)	0-+5	0-+5	0-+5	0-+5	0-+5
	Max. Power Voltage (Vmp/V)	31.07	31.39	31.63	31.87	32.10
	Max. Power Current (Imp/A)	8.85	8.92	9.01	9.10	9.19
	Open Circuit Voltage (Voc/V)	38.30	38.58	38.86	39.13	39.40
	Short Circuit Current (Isc/A)	9.35	9.45	9.55	9.65	9.75
	Module Efficiency (%)	16.6	16.9	17.2	17.5	17.8
NOCT AM1.5, 800W/㎡ Ambient Temperature 20℃ Wind Speed 1m/s	Max. Power at NOCT (Pmpp/W)	204.7	208.4	212.1	215.8	219.6
	Max. Power Voltage (Vmp/V)	28.91	29.20	29.43	29.65	29.86
	Max. Power Current (Imp/A)	7.08	7.14	7.21	7.28	7.35
	Open Circuit Voltage (Voc/V)	35.92	36.18	36.44	36.70	36.95
	Short Circuit Current (Isc/A)	7.54	7.62	7.70	7.79	7.87

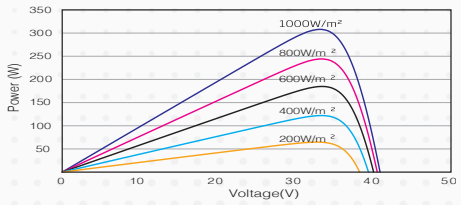
DIMENSIONS OF PV MODULE



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 (6 x 10)
Module Dimensions (L*W*H)	1665 x 996 x 35mm
Weight (Kg)	17.8 kg
Glass	3.2 mm coated tempered glass
Backsheet	White
Frame	Silver anodized aluminum alloy
J-Box	IP68, 3 bypass diodes
Cables	Length 350mm, 1x4.0mm²
Connector	MC4 and MC4 Compatible
PACKING CONFIGURATION	Module per box: 31 Pieces

TEMPERATURE RATINGS

NMOT	45°C (±2°C)
Temperature Coefficient of Pmax	-0.41%/°C
Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	+0.04%/°C

MAXIMUN RATING

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
MODULE PER CONTAINER	924 PCs / 40'HC

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