

THE TSM-PC06A

FRAMED 60-CELL MODULE

60 CELL
MULTICRYSTALLINE MODULE

260-275W
POWER OUTPUT RANGE

16.8%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

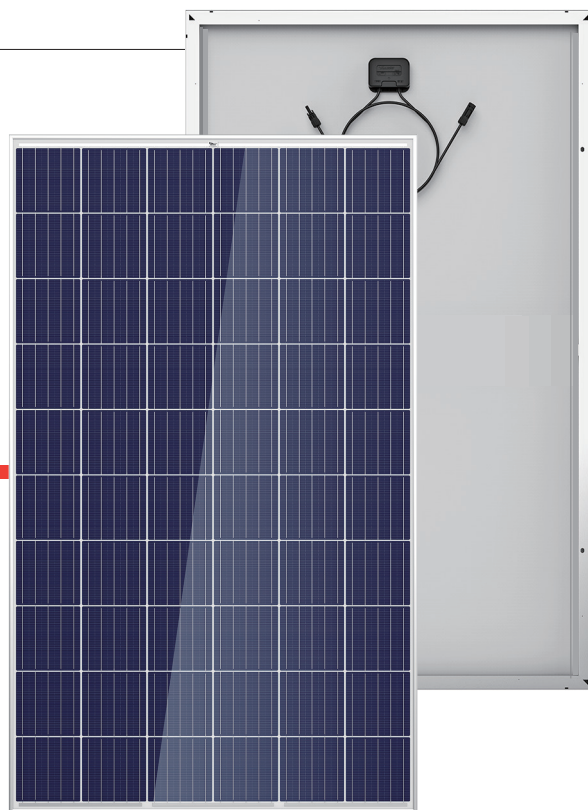
Founded in 1997, Trina Solar is the world's leading total solution provider for solar energy. With local presence around the globe, Trina Solar is able to provide exceptional service to each customer in each market and deliver our innovative, reliable products with the backing of Trina as a strong, bankable brand. Trina Solar now distributes its PV products to over 100 countries all over the world. We are committed to building strategic, mutually beneficial collaborations with installers, developers, distributors and other partners in driving smart energy together.

Comprehensive Products And System Certificates

IEC61215/IEC61730/IEC61701/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO14064: Greenhouse Gases Emissions Verification
ISO45001: Occupation Health and Safety Management System



Trinasolar



High power

- Up to 275W front power and 16.8% module efficiency with half-cut technology bringing more BOS savings
- Lower resistance of half-cut ensure high power



High reliability

- Ensured PID resistance through cell process and module material control
- Resistant to salt, acid and ammonia
- Mechanical performance: Up to 5400 Pa positive load and 2400 Pa negative load

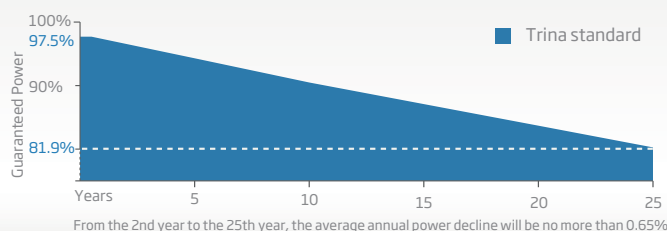


High energy generation

- Excellent IAM and low light performance validated by 3rd party with cell process and module material optimization
- Better anti-shading performance and lower operating temperature

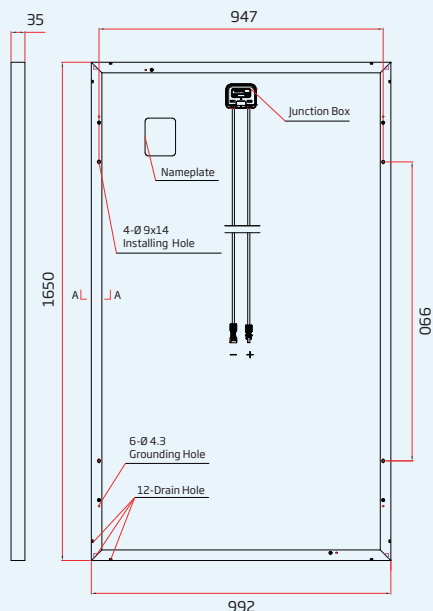
PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Power Warranty

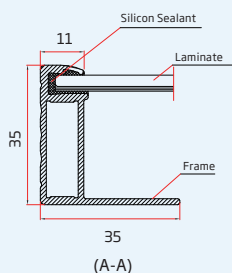


PRODUCTS	POWER RANGE
TSM-PC06A	260-275W

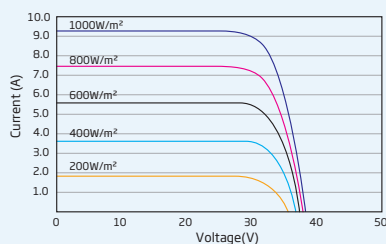
DIMENSIONS OF PV MODULE(mm)



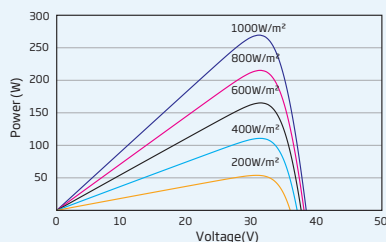
Back View



I-V CURVES OF PV MODULE(270W)



P-V CURVES OF PV MODULE(270W)



ELECTRICAL DATA (STC)

Peak Power Watts- P_{MAX} (Wp)*	260	265	270	275
Power Output Tolerance- P_{MAX} (W)	0 ~ +5			
Maximum Power Voltage- V_{MPP} (V)	30.2	30.5	30.8	31.1
Maximum Power Current- I_{MPP} (A)	8.62	8.70	8.78	8.85
Open Circuit Voltage- V_{OC} (V)	37.5	37.8	38.1	38.4
Short Circuit Current- I_{SC} (A)	9.12	9.19	9.25	9.28
Module Efficiency η_m (%)	15.9	16.2	16.5	16.8

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.
*Measuring tolerance: $\pm 3\%$.

ELECTRICAL DATA (NOCT)

Maximum Power- P_{MAX} (Wp)	194	198	202	205
Maximum Power Voltage- V_{MPP} (V)	28.2	28.5	28.8	29.2
Maximum Power Current- I_{MPP} (A)	6.88	6.94	6.99	7.03
Open Circuit Voltage- V_{OC} (V)	35.1	35.3	35.6	35.9
Short Circuit Current- I_{SC} (A)	7.36	7.42	7.47	7.49

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

Solar Cells	Multicrystalline 158.75 × 158.75 mm
Cell Orientation	60 cells (6 × 10)
Module Dimensions	1650 × 992 × 35 mm
Weight	18.0 kg
Glass	3.2 mm, High Transmission, AR Coated Heat Tempered Glass
Backsheet	White
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 67 or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm², 1000 mm
Connector	MC4 EVO2 /TS4 *

*Please refer to regional datasheet for specified connector.

TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	44°C ($\pm 2^\circ\text{C}$)
Temperature Coefficient of P_{MAX}	-0.41%/°C
Temperature Coefficient of V_{OC}	-0.32%/°C
Temperature Coefficient of I_{SC}	0.05%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC (IEC)
Max Series Fuse Rating	20A

(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

WARRANTY

10 year Product Workmanship Warranty
25 year Linear Power Warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 30 pieces
Modules per 40' container: 840 pieces