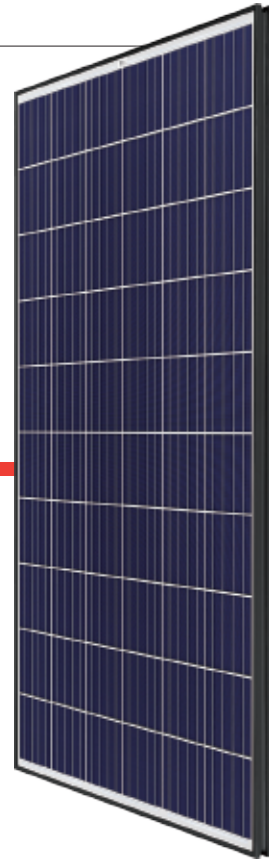


THE Trina mount

MODULE



60 CELL
MULTICRYSTALLINE MODULE
WITH TRINAMOUNT FRAME

265-280W
POWER OUTPUT RANGE

17.1%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

Founded in 1997, Trina Solar is the world's leading comprehensive solutions provider for solar energy. We believe close cooperation with our partners is critical to success. Trina Solar now distributes its PV products to over 60 countries all over the world. Trina is able to provide exceptional service to each customer in each market and supplement our innovative, reliable products with the backing of Trina as a strong, bankable partner. We are committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners.

Comprehensive Products And System Certificates

IEC61215/IEC61730/UL1703/IEC61701/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO14064: Greenhouse gases Emissions Verification
OHSAS 18001: Occupation Health and Safety Management System



Fast and simple to install through drop-in mounting solution



Good aesthetics for residential applications



Highly reliable due to stringent quality control

- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant
- 100% EL double inspection

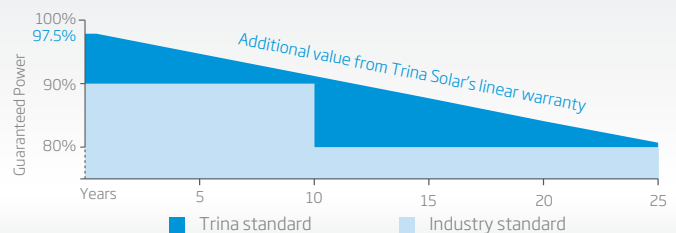


Certified to withstand the most challenging environmental conditions

- 2400 Pa wind load
- 5400 Pa snow load

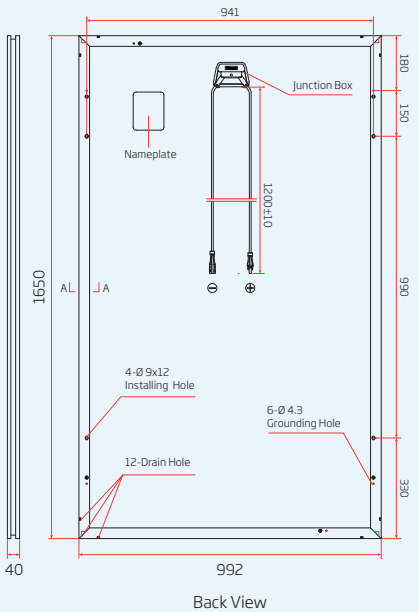
LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty

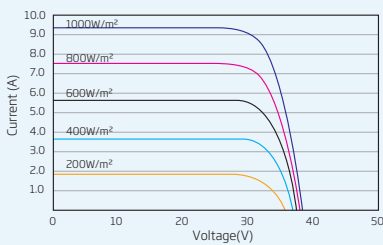


PRODUCTS | **POWER RANGE**
TSM-PD05.18 | 265-280W

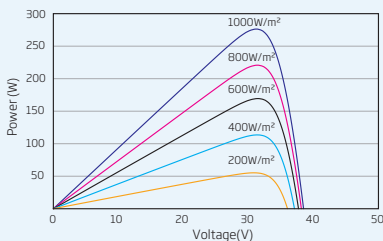
DIMENSIONS OF PV MODULE(mm)



I-V CURVES OF PV MODULE(280W)



P-V CURVES OF PV MODULE(280W)



ELECTRICAL DATA (STC)

Peak Power Watts- P_{MAX} (Wp)*	265	270	275	280
Power Output Tolerance- P_{MAX} (W)	0 ~ +5			
Maximum Power Voltage- V_{MPP} (V)	30.8	30.9	31.1	31.4
Maximum Power Current- I_{MPP} (A)	8.61	8.73	8.84	8.92
Open Circuit Voltage- V_{OC} (V)	38.3	38.4	38.5	38.7
Short Circuit Current- I_{SC} (A)	9.10	9.18	9.25	9.34
Module Efficiency η_m (%)	16.2	16.5	16.8	17.1

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AML5.
*Measuring tolerance: ±3%.

ELECTRICAL DATA (NOCT)

Maximum Power- P_{MAX} (Wp)	197	200	204	207
Maximum Power Voltage- V_{MPP} (V)	28.6	28.7	29.0	29.2
Maximum Power Current- I_{MPP} (A)	6.89	6.97	7.03	7.10
Open Circuit Voltage- V_{OC} (V)	35.5	35.5	35.6	35.8
Short Circuit Current- I_{SC} (A)	7.35	7.41	7.47	7.55

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

MECHANICAL DATA

Solar Cells	Multicrystalline 156.75 × 156.75 mm (6 inches)
Cell Orientation	60 cells (6 × 10)
Module Dimensions	1650 × 992 × 40 mm (65.0 × 39.1 × 1.57 inches)
Weight	19.6 kg (43.1 lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Backsheet	White
Frame	Black Anodized Aluminium Alloy
J-Box	IP 65 or IP 67 rated
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²), 1200 mm (47.2 inches)
Connector	MC4
Fire Type	UL 1703 Type 2 for Solar City

TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	44°C (±2°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) 1000V DC (UL)
Max Series Fuse Rating	15A

(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: 26 pieces
Modules per 40' container: 728 pieces