

THE Honey MODULE

60 CELL
MULTICRYSTALLINE MODULE

255-270W
POWER OUTPUT RANGE

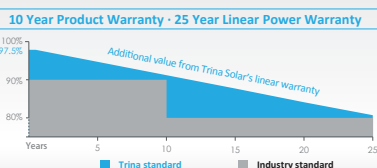
16.5%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

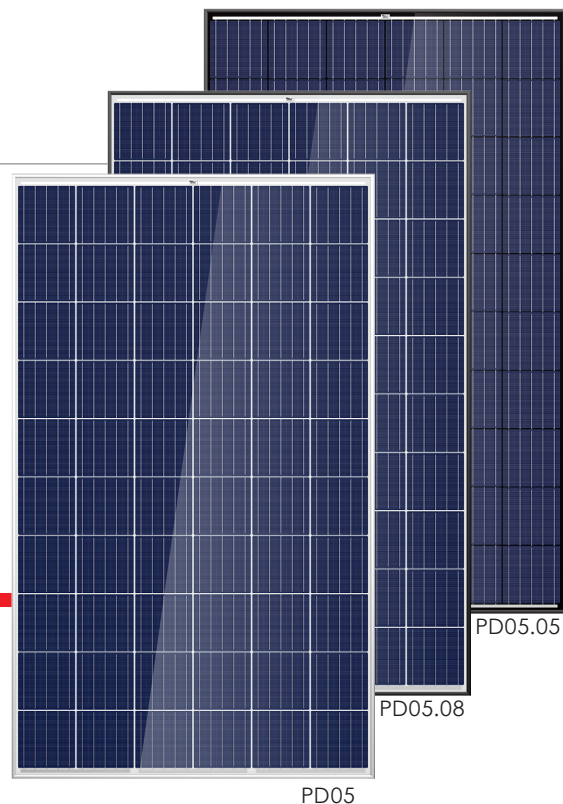
As a leading global manufacturer of next generation photovoltaic products, we believe close cooperation with our partners is critical to success. With local presence around the globe, Trina is able to provide exceptional service to each customer in each market and supplement our innovative, reliable 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 as the backbone of our shared success in driving Smart Energy Together.

Trina Solar Limited
www.trinasolar.com

LINEAR PERFORMANCE WARRANTY



Trinasolar
Smart Energy Together



Our most versatile product

- Compatible with all major BOS components and system designs
- 1000V UL/1000V IEC certified



Maximize Limited Space

- 60-cell module power output up to 270W
- Up to 165 W/m² power density



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 challenging environmental conditions

- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

Comprehensive products and system certificates

- IEC 61215/ IEC 61730/ UL 1703/ IEC 61701/IEC 62716
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO 14064: Greenhouse Gases Emissions Verification
- OHSAS 18001: Occupation Health and Safety Management System



THE Honey MODULE

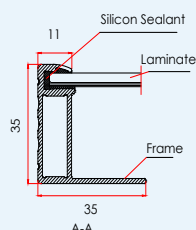
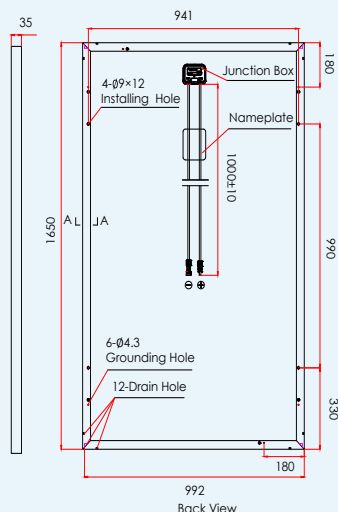
PRODUCTS

TSM-PD05
TSM-PD05.08
TSM-PD05.05

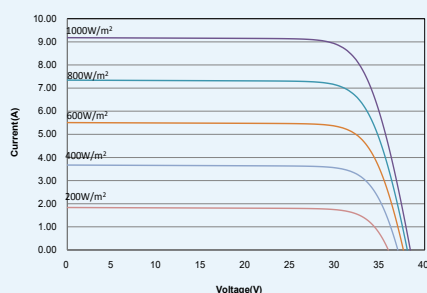
POWER RANGE

260-270W
260-270W
255-265W

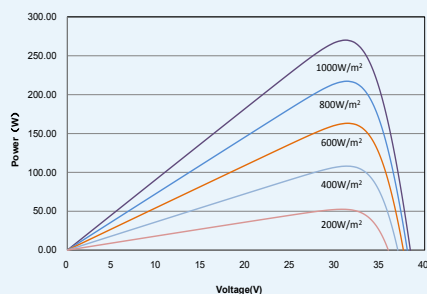
DIMENSIONS OF PV MODULE unit:mm



I-V CURVES OF PV MODULE (270W)



P-V CURVES OF PV MODULE (270W)



ELECTRICAL DATA (STC)

Peak Power Watts- P_{MAX} (Wp)*	255	260	265	270
Power Output Tolerance- P_{MAX} (W)	0 ~ +5			
Maximum Power Voltage- V_{MPP} (V)	30.5	30.6	30.8	30.9
Maximum Power Current- I_{MPP} (A)	8.37	8.50	8.61	8.73
Open Circuit Voltage- V_{OC} (V)	38.1	38.2	38.3	38.4
Short Circuit Current- I_{SC} (A)	8.88	9.00	9.10	9.18
Module Efficiency η_m (%)	15.6	15.9	16.2	16.5

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5.

*Measuring tolerance: $\pm 3\%$.

ELECTRICAL DATA (NOCT)

Maximum Power- P_{MAX} (Wp)	189	193	197	200
Maximum Power Voltage- V_{MPP} (V)	28.2	28.4	28.6	28.7
Maximum Power Current- I_{MPP} (A)	6.71	6.81	6.89	6.97
Open Circuit Voltage- V_{OC} (V)	35.3	35.4	35.5	35.5
Short Circuit Current- I_{SC} (A)	7.17	7.27	7.35	7.41

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

MECHANICAL DATA

Solar Cells	Multicrystalline 156 × 156 mm (6 inches)
Cell Orientation	60 cells (6 × 10)
Module Dimensions	1650 × 992 × 35 mm (65.0 x 39.1 x 1.38 inches)
Weight	18.6 kg (41.0 lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Backsheet	White (PD05, PD05.08); Black (PD05.05)
Frame	Silver Anodized Aluminium Alloy (PD05); Black (PD05.08, PD05.05)
J-Box	IP 67 or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²), 1000 mm (39.4 inches)
Connector	MC4

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	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) 1000V DC (UL)
Max Series Fuse Rating	15A

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