

Mono

Multi

Solutions

TSM-DC05A

TSM-DC05A.08

THE Honey^M MODULE

60 CELL

MONOCRYSTALLINE MODULE

260-270W

POWER OUTPUT RANGE

16.5%

MAXIMUM EFFICIENCY

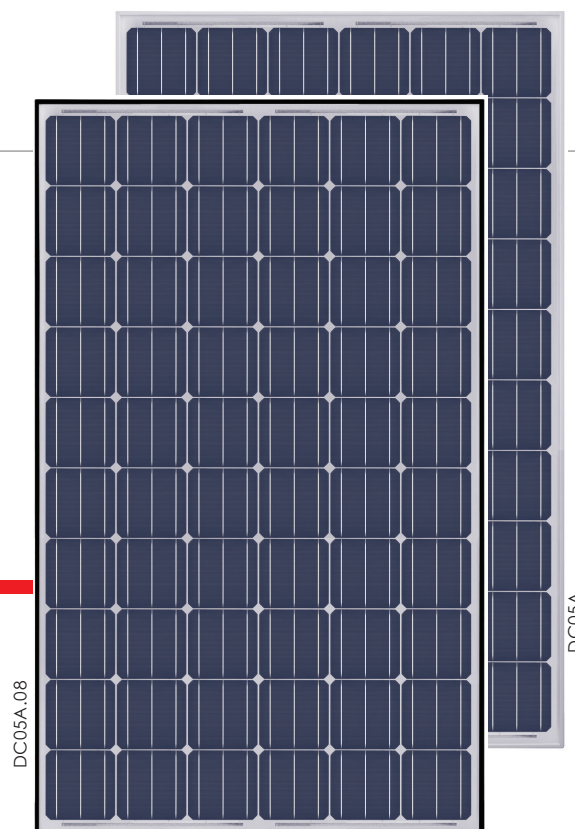
0~+3%

POWER OUTPUT GUARANTEE

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

Trinasolar
Smart Energy Together



Maximize limited space with top-end efficiency

- Up to 162 W/m² power density
- Low thermal coefficients for greater energy production at high operating temperatures



Good aesthetics for residential applications

- Solid color dark mono cells



Excellent low light performance on cloudy days, mornings and evenings

- Advanced surface texturing
- Back surface field
- Selective emitter

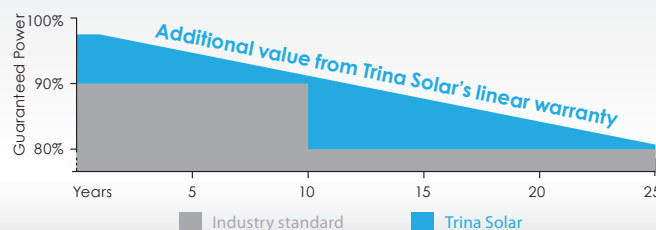


Highly reliable due to stringent quality control

- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements

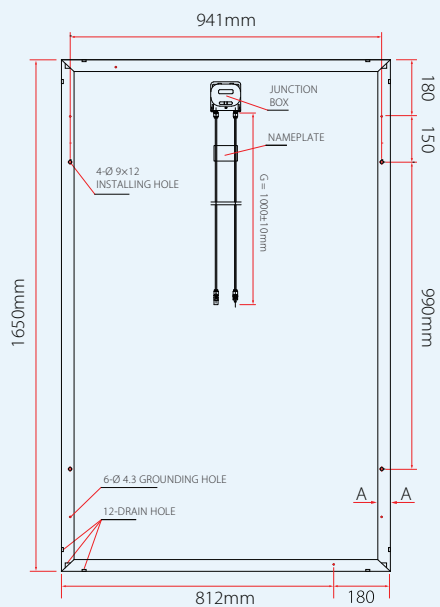
LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty

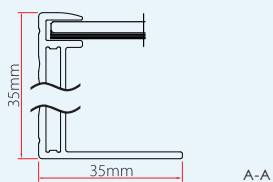


TSM-DC05A/05A.08 THE Honey[®] MODULE

DIMENSIONS OF PV MODULE TSM-DC05A/05A.08

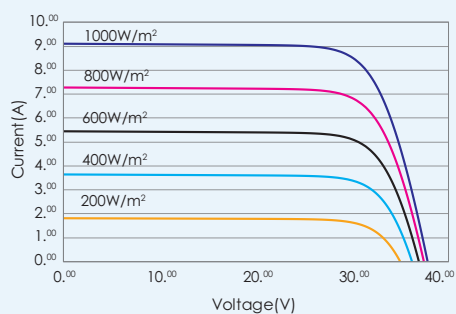


Back View



A-A

I-V CURVES OF PV MODULE TSM-255 DC05A/05A.08



CERTIFICATION



ELECTRICAL DATA @ STC

	TSM-260 DC05A/05A.08	TSM-265 DC05A/05A.08	TSM-270 DC05A/05A.08
Peak Power Watts- P_{MAX} (Wp)	260	265	270
Power Output Tolerance- P_{MAX} (%)	0/+3	0/+3	0/+3
Maximum Power Voltage- V_{MPP} (V)	30.2	30.6	30.8
Maximum Power Current- I_{MPP} (A)	8.61	8.66	8.77
Open Circuit Voltage- V_{OC} (V)	38.4	38.5	38.6
Short Circuit Current- I_{SC} (A)	9.15	9.20	9.23
Module Efficiency η_m (%)	15.9	16.2	16.5

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
Average efficiency reduction of 4.5% at 200 W/m² according to EN 60904-1.

ELECTRICAL DATA @ NOCT

	TSM-260 DC05A/05A.08	TSM-265 DC05A/05A.08	TSM-270 DC05A/05A.08
Maximum Power- P_{MAX} (Wp)	190	194	198
Maximum Power Voltage- V_{MPP} (V)	27	27.2	27.5
Maximum Power Current- I_{MPP} (A)	7.04	7.13	7.20
Open Circuit Voltage (V)- V_{OC} (V)	34.8	35.0	35.7
Short Circuit Current (A)- I_{SC} (A)	7.34	7.40	7.48

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

MECHANICAL DATA

Solar cells	Monocrystalline 156 × 156 mm
Cell orientation	60 cells (6 × 10)
Module dimensions	1650 × 992 × 35 mm
Weight	18.6 kg
Glass	High transparency solar glass 3.2 mm
Backsheet	White
Frame	Silver anodized aluminium alloy (DC05A); Black (DC05A.08)
J-Box	IP 65 or IP 67 rated
Cables	Photovoltaic Technology cable 4.0 mm², 1000 mm
Connector	Original MC4

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	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}	0.053%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC (IEC)
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: 29 pieces

Modules per 40' container: 812 pieces

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