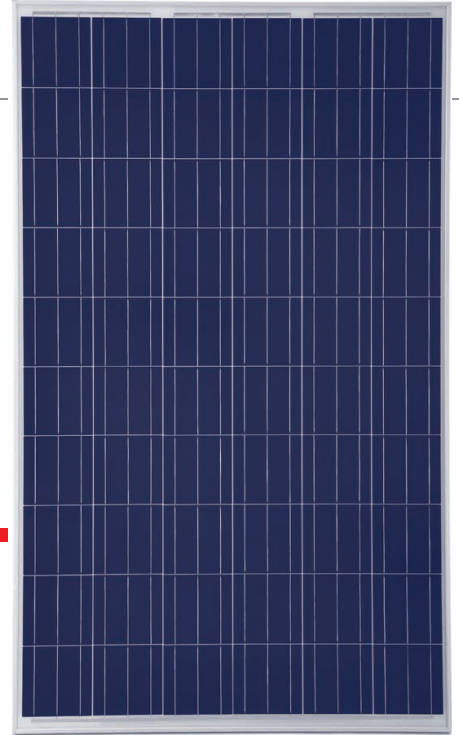


# TSM-PA05A

## THE Honey MODULE

by TrinaSolar



**15.9%**  
MAX EFFICIENCY

**260W**  
MAX POWER OUTPUT

**10 YEAR**  
PRODUCT WARRANTY

**25 YEAR**  
LINEAR POWER WARRANTY

Founded in 1997, Trina Solar (NYSE: TSL) has established itself as a leader in the solar community with its vertically integrated business model. Our modules and system solutions provide clean solar power in on-grid and off-grid residential, commercial, industrial and utility-scale systems.

With more than 22 offices worldwide, Trina Solar has partnerships with leading installers, distributors, utilities and developers in all major PV markets. Trina Solar is committed to driving smarter energy choices.

Trina Solar Limited  
[www.trinasolar.com](http://www.trinasolar.com)



Module can bear snow loads up to **5400Pa** and wind loads up to **2400Pa**



Guaranteed power output  
0~+3%



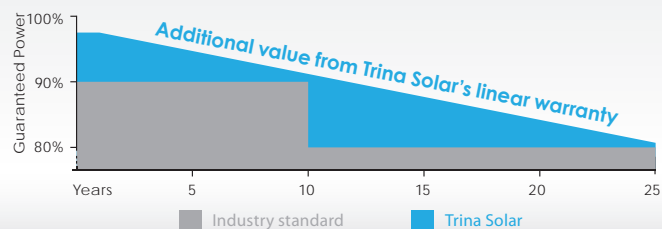
High performance under low light conditions  
**Cloudy days, mornings and evenings**



Approved **original MC4** Photovoltaic connector used with highest reliability

### LINEAR PERFORMANCE WARRANTY

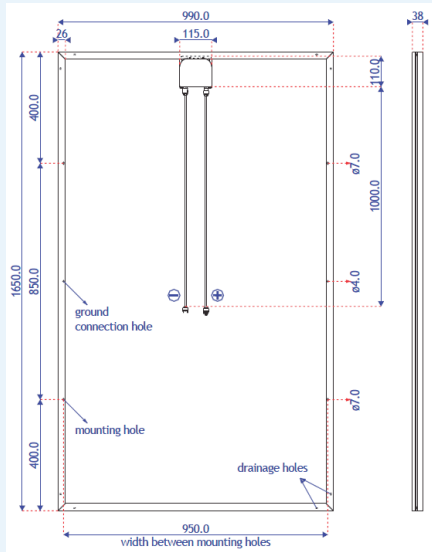
10 Year Product Warranty • 25 Year Linear Power Warranty



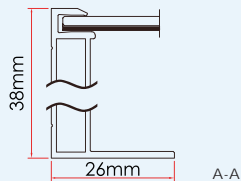
# TSM-PA05A THE Honey MODULE

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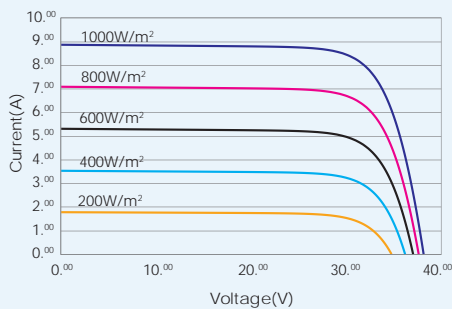
## DIMENSIONS OF PV MODULE TSM-PA05A



Back View



## I-V CURVES OF PV MODULE TSM-255 PA05A



Average efficiency reduction of 4.5% at 200W/m<sup>2</sup> according to EN 60904-1.

## CERTIFICATION




ELECTRICAL DATA @ STC	TSM-245 PA05A	TSM-250 PA05A	TSM-255 PA05A	TSM-260 PA05A
Peak Power Watts-P <sub>MAX</sub> (Wp)	245	250	255	260
Power Output Tolerance-P <sub>MAX</sub> (%)	0/+3	0/+3	0/+3	0/+3
Maximum Power Voltage-V <sub>MP</sub> (V)	30.2	30.3	30.5	30.6
Maximum Power Current-I <sub>MPP</sub> (A)	8.13	8.27	8.37	8.50
Open Circuit Voltage-V <sub>OC</sub> (V)	37.6	38.0	38.1	38.2
Short Circuit Current-I <sub>SC</sub> (A)	8.70	8.79	8.88	9.00
Module Efficiency η <sub>m</sub> (%)	15.0	15.3	15.6	15.9

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C). Power measurement tolerance: ±3%

ELECTRICAL DATA @ NOCT	TSM-245 PA05A	TSM-250 PA05A	TSM-255 PA05A	TSM-260 PA05A
Maximum Power-P <sub>MAX</sub> (Wp)	179	183	186	190
Maximum Power Voltage-V <sub>MP</sub> (V)	26.9	27.3	27.4	27.5
Maximum Power Current-I <sub>MPP</sub> (A)	6.66	6.70	6.79	6.91
Open Circuit Voltage (V)-V <sub>OC</sub> (V)	34.1	34.8	34.9	35.0
Short Circuit Current (A)-I <sub>SC</sub> (A)	7.10	6.99	7.11	7.20

NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s. Power measurement tolerance: ±3%

## MECHANICAL DATA

Solar cells	Multicrystalline 156 × 156mm (6 inches)
Cell orientation	60 cells (6 × 10)
Module dimensions	1650 × 990 × 38mm (64.96 × 38.98 × 1.50 inches)
Weight	19.0kg (41.9 lb)
Glass	High transparency solar glass 3.2mm (0.13 inches)
Frame	Anodized aluminium alloy
J-Box	IP 65 rated
Cables	Photovoltaic Technology cable 4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ), 1000mm (39.4 inches)
Connector	Original MC4 

## TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (±2°C)
Temperature Coefficient of P <sub>MAX</sub>	-0.41%/°C
Temperature Coefficient of V <sub>OC</sub>	-0.32%/°C
Temperature Coefficient of I <sub>SC</sub>	0.053%/°C

## MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	600V DC(CSA)
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: 35 pieces