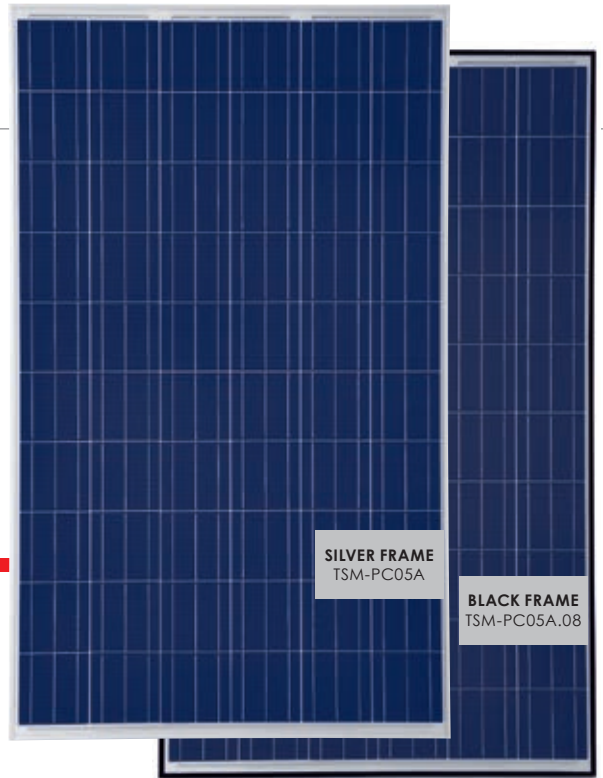


# TSM-PC05A TSM-PC05A.08

## THE Honey MODULE

by **TrinaSolar**



**16.2%**  
MAX EFFICIENCY

**265W**  
MAX POWER OUTPUT

**10 YEAR**  
PRODUCT WARRANTY

**25 YEAR**  
LINEAR POWER WARRANTY

Trina Solar (NYSE: TSL) is a global leader in photovoltaic modules, solutions and services. Founded in 1997 as a PV system integrator, Trina Solar today drives smart energy together with installers, distributors, utilities and developers worldwide. The company's industry-shaping position is based on innovation excellence, superior product quality, vertically integrated capabilities and environmental stewardship.

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

**TrinaSolar**  
Smart Energy Together



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**



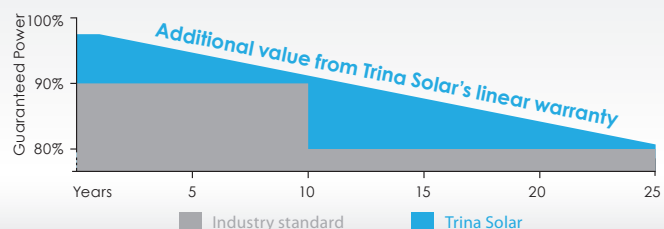
Manufactured according to International Quality and Environment Management System Standards **ISO9001, ISO14001**



Approved **original MC4** Photovoltaic connector for highest reliability

### LINEAR PERFORMANCE WARRANTY

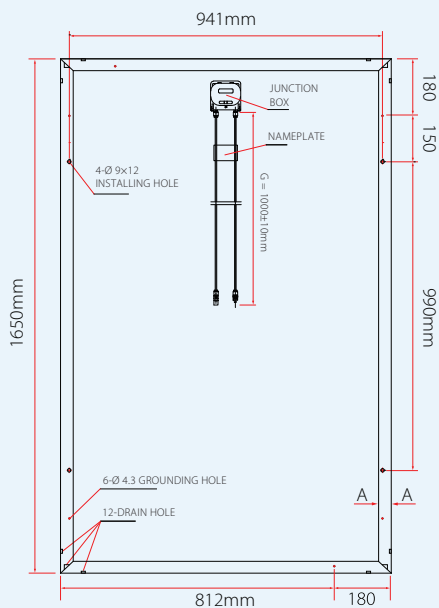
10 Year Product Warranty • 25 Year Linear Power Warranty



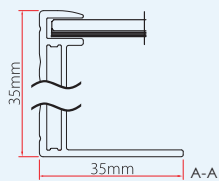
# TSM-PC05A/PC05A.08 THE Honey MODULE

by TrinaSolar

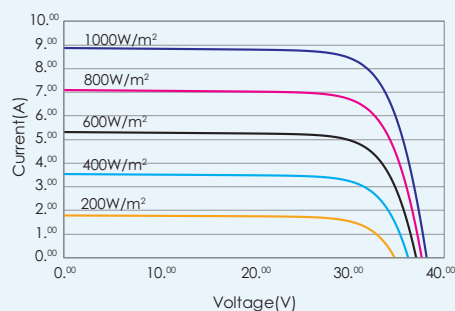
## DIMENSIONS OF PV MODULE TSM-PC05A/PC05A.08



Back View

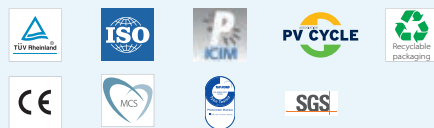


## I-V CURVES OF PV MODULE TSM-255 PC05A/PC05A.08



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

## CERTIFICATION



ELECTRICAL DATA @ STC	TSM-250 PC05A/ 05A.08	TSM-255 PC05A/ 05A.08	TSM-260 PC05A/ 05A.08	TSM-265 PC05A/ 05A.08
Peak Power Watts-P <sub>MAX</sub> (Wp)	250	255	260	265
Power Output Tolerance-P <sub>MAX</sub> (%)	0/+3	0/+3	0/+3	0/+3
Maximum Power Voltage-V <sub>MP</sub> (V)	30.3	30.5	30.6	31.0
Maximum Power Current-I <sub>MPP</sub> (A)	8.27	8.37	8.50	8.55
Open Circuit Voltage-V <sub>OC</sub> (V)	38.0	38.1	38.2	38.4
Short Circuit Current-I <sub>SC</sub> (A)	8.79	8.88	9.00	9.1
Module Efficiency η <sub>m</sub> (%)	15.3	15.6	15.9	16.2

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

ELECTRICAL DATA @ NOCT	TSM-250 PC05A/ 05A.08	TSM-255 PC05A/ 05A.08	TSM-260 PC05A/ 05A.08	TSM-265 PC05A/ 05A.08
Maximum Power-P <sub>MAX</sub> (Wp)	183	186	190	193
Maximum Power Voltage-U <sub>MPP</sub> (V)	27.3	27.4	27.5	27.7
Maximum Power Current-I <sub>MPP</sub> (A)	6.70	6.79	6.91	6.96
Open Circuit Voltage-U <sub>OC</sub> (V)	34.8	34.9	35.0	35.2
Short Circuit Current-I <sub>SC</sub> (A)	6.99	7.11	7.20	7.28

NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

## MECHANICAL DATA

Solar cells	Multicrystalline 156 × 156mm
Cell orientation	60 cells (6 × 10)
Module dimensions	1650 × 992 × 35mm
Weight	18.6kg
Glass	High transparency solar glass 3.2mm
Frame	Anodized aluminium alloy (TSM-PC05A.08: in black)
J-Box	IP 65 rated
Cables	Photovoltaic Technology cable 4.0mm <sup>2</sup> , 1000mm
Connector	Original MC4

## TEMPERATURE RATINGS

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

## MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC (IEC)
Max Series Fuse Rating	15A

## WARRANTY

10 year workmanship warranty

25 year linear performance warranty

(Please refer to product warranty for details)

## PACKAGING CONFIGURATION

Modules per box: 29 pcs

Modules per 40' container: 812 pcs