

TSM-PC05A TSM-PC05A.08

THE Honey MODULE

by **Trina Solar**

16.2%
MAX EFFICIENCY

265W
MAX POWER OUTPUT

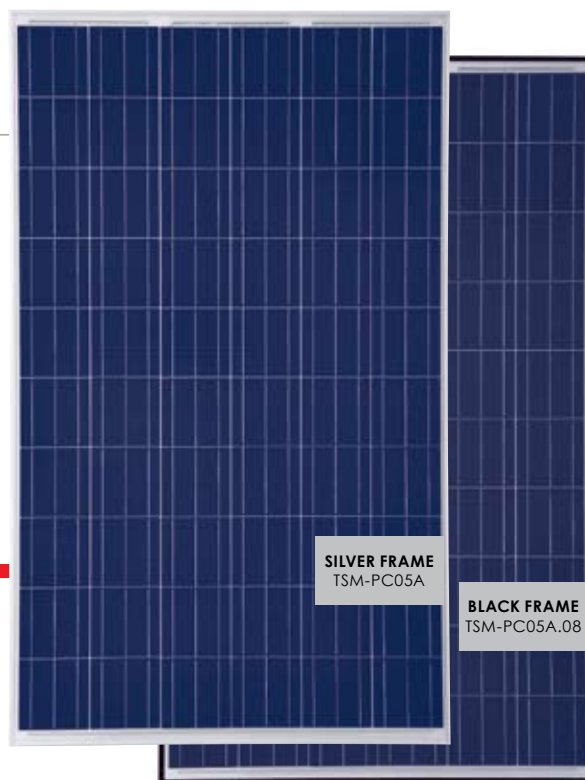
10 YEAR
PRODUCT WARRANTY

25 YEAR
LINEAR POWER WARRANTY

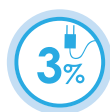
Trina Solar (NYSE: TSL) is a global leader in photovoltaic modules, solutions and services. Founded in 1997 as a PV system integrator, Trina Solar today drives smart energy together with installers, distributors, utilities and developers worldwide. The company's industry-shaping position is based on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

Trina Solar Limited
www.trinasolar.com

Trina Solar
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



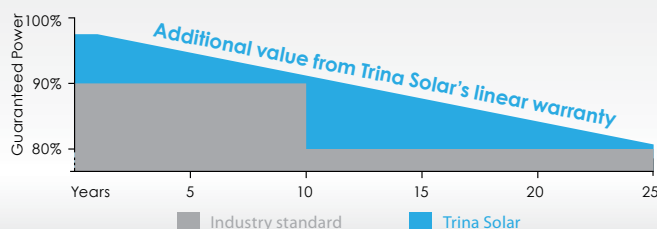
Manufactured according to International Quality and Environment Management System Standards
ISO9001, ISO14001



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

LINEAR PERFORMANCE WARRANTY

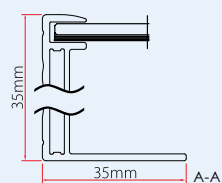
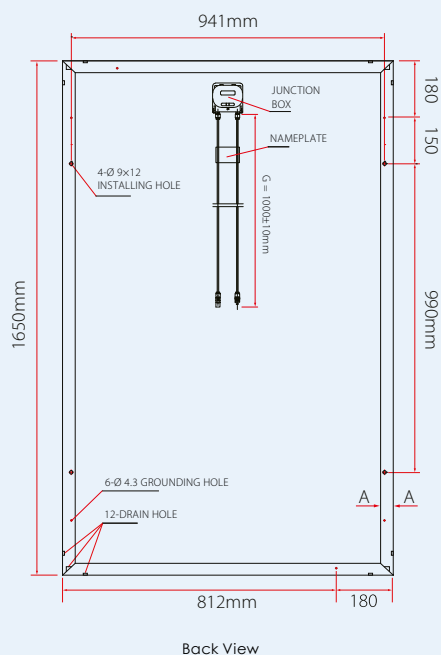
10 Year Product Warranty • 25 Year Linear Power Warranty



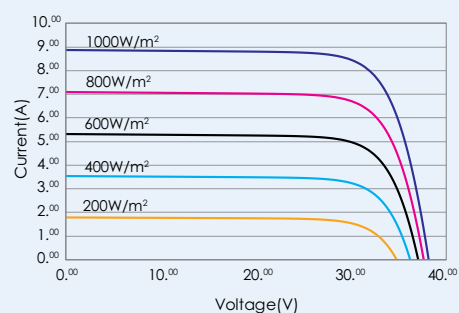
TSM-PC05A/PC05A.08 THE Honey MODULE

by Trina

DIMENSIONS OF PV MODULE TSM-PC05A/PC05A.08



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



Average efficiency reduction of 4.5% at 200W/m² 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_{MAX} (Wp)	250	255	260	265
Power Output Tolerance- P_{MAX} (%)	0/+3	0/+3	0/+3	0/+3
Maximum Power Voltage- V_{MP} (V)	30.3	30.5	30.6	31.0
Maximum Power Current- I_{MP} (A)	8.27	8.37	8.50	8.55
Open Circuit Voltage- V_{OC} (V)	38.0	38.1	38.2	38.4
Short Circuit Current- I_{SC} (A)	8.79	8.88	9.00	9.1
Module Efficiency η_m (%)	15.3	15.6	15.9	16.2

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², 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_{MAX} (Wp)	183	186	190	193
Maximum Power Voltage- U_{MPP} (V)	27.3	27.4	27.5	27.7
Maximum Power Current- I_{MPP} (A)	6.70	6.79	6.91	6.96
Open Circuit Voltage- U_{OC} (V)	34.8	34.9	35.0	35.2
Short Circuit Current- I_{SC} (A)	6.99	7.11	7.20	7.28

NOCT: Irradiance at 800W/m², 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 4.0mm², 1000mm
Connector	Original MC4

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (±2°C)
Temperature Coefficient of P_{MAX}	-0.41%/K
Temperature Coefficient of V_{OC}	-0.32%/K
Temperature Coefficient of I_{SC}	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

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