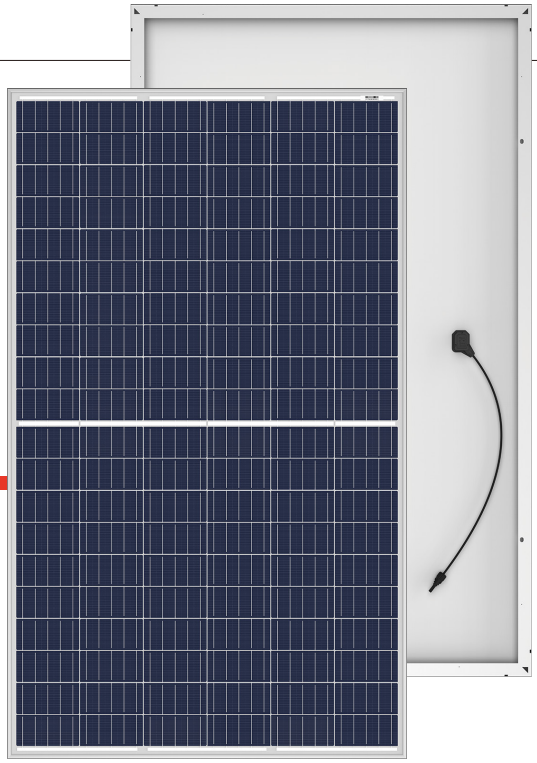


THE Honey
FRAMED 60 LAYOUT MODULE

PRODUCTS	POWER RANGE
TSM-PE06H	285-300W

60 LAYOUT
MULTICRYSTALLINE

285-300W
POWER OUTPUT RANGE

17.6%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLARANCE

Founded in 1997, Trina Solar is the world's leading total solution provider for solar energy. With local presence around the globe, Trina Solar is able to provide exceptional service to each customer in each market and deliver our innovative, reliable products with the backing of Trina as a strong, bankable brand. Trina Solar now distributes its PV products to over 100 countries all over the world. We are committed to building strategic, mutually beneficial collaborations with installers, developers, distributors and other partners in driving smart energy together.

Comprehensive Products and System Certificates

IEC61215/IEC61730/UL1703/IEC61701/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO14064: Greenhouse Gases Emissions Verification
OHSAS 18001: Occupation Health and Safety Management System

High power

- Up to 300W front power and 17.6% module efficiency with half-cut technology bringing more BOS savings
- Lower resistance of half-cut ensure high power

High reliability

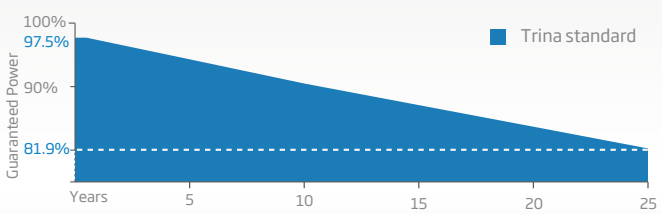
- Ensured PID resistance through cell process and module material control
- Resistant to salt, acid and ammonia
- Certified to 5400 Pa positive load and 2400 Pa negative load

High energy generation

- Excellent IAM and low light performance validated by 3rd party with cell process and module material optimization
- Lower NMOT bring more energy leading to lower LCOE
- Better anti-shading performance and lower operating temperature

PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Power Warranty



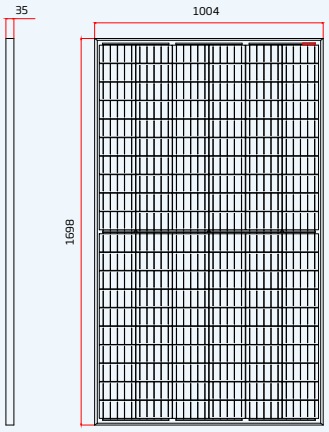
From the 2nd year to the 25th year, the average annual power decline will be no more than 0.65%.

Trinasolar

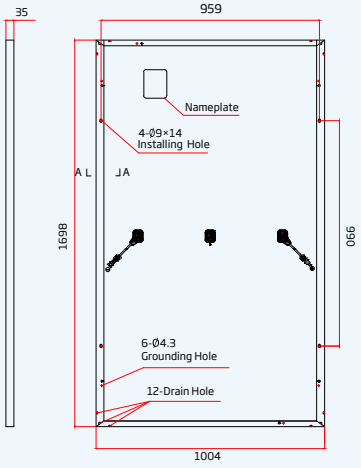
Honey

60 LAYOUT MODULE

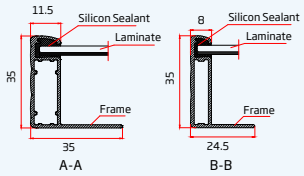
DIMENSIONS OF PV MODULE(mm)



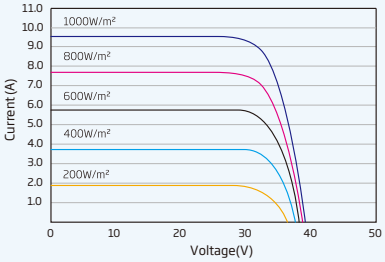
Front View



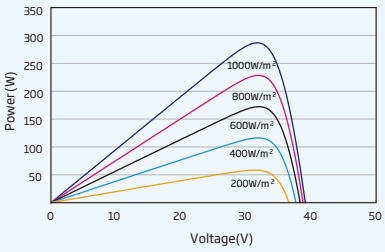
Back View



I-V CURVES OF PV MODULE(290W)



P-V CURVES OF PV MODULE(290W)



ELECTRICAL DATA (STC)

Peak Power Watts-P_{MAX} (Wp)*	285	290	295	300
Power Output Tolerance-P_{MAX} (W)	0 ~ +5			
Maximum Power Voltage-V_{MPP} (V)	31.5	31.8	32.1	32.3
Maximum Power Current-I_{MPP} (A)	9.05	9.12	9.19	9.29
Open Circuit Voltage-V_{OC} (V)	38.8	39.2	39.5	39.8
Short Circuit Current-I_{SC} (A)	9.53	9.60	9.67	9.77
Module Efficiency η_m (%)	16.7	17.0	17.3	17.6

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.
*Measuring tolerance: ±3%.

ELECTRICAL DATA (NMOT)

Maximum Power-P_{MAX} (Wp)	216	219	223	227
Maximum Power Voltage-V_{MPP} (V)	29.8	30.1	30.4	30.6
Maximum Power Current-I_{MPP} (A)	7.24	7.29	7.35	7.42
Open Circuit Voltage-V_{OC} (V)	36.5	36.9	37.2	37.4
Short Circuit Current-I_{SC} (A)	7.69	7.74	7.80	7.88

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

MECHANICAL DATA

Solar Cells	Multicrystalline
Cell Orientation	120 cells (6 × 20)
Module Dimensions	1698 × 1004 × 35 mm (66.85× 39.53 × 1.38 inches)
Weight	18.7kg (41.2 lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	EVA
Backsheet	White
Frame	35 mm (1.38 inches) Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm² (0.006 inches²), Portrait: N 140mm/P 285mm(5.51/11.22inches) Landscape: N 1200 mm /P 1200 mm (47.24/47.24 inches)
Connector	MC4 EVO2 / TS4*

*Please refer to regional datasheet for specified connector.

TEMPERATURE RATINGS

NMOT(Nominal Module OperatingTemperature)	41°C (±3°C)
Temperature Coefficient of P_{MAX}	- 0.38%/°C
Temperature Coefficient of V_{OC}	- 0.31%/°C
Temperature Coefficient of I_{SC}	0.05%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
	1500V DC (UL)
Max Series Fuse Rating	20A

(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

WARRANTY

10 year Product Workmanship Warranty

25 year Power Warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 30 pieces

Modules per 40' container: 780 pieces

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CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.