

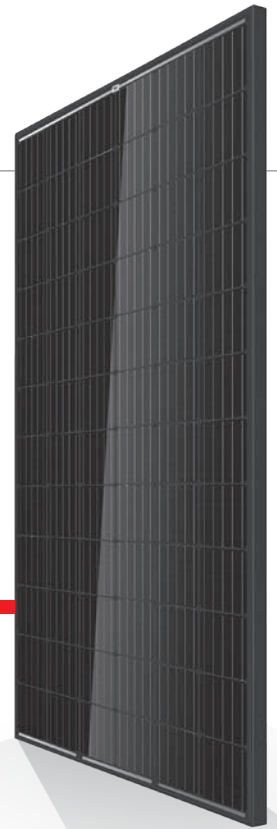
Mono

Multi

Solutions

TALLMAX^M PLUS⁺ IN BLACK

TSM-DD14A.05 (II)



72 CELL

MONOCRYSTALLINE MODULE

330W

POWER OUTPUT RANGE

17.0%

MAXIMUM EFFICIENCY

0/+5W

POSITIVE POWER TOLERANCE

TRINA SOLAR: A STRONG AND RELIABLE PARTNER

As a leading global manufacturer of next generation photovoltaic products, Trina Solar is committed to building mutually beneficial alliances with installers, developers, distributors and technological partners as the backbone of our shared goal to drive Smart Energy Together. Thanks to an extensive sales and service network with local expert teams throughout Europe, Trina Solar is perfectly positioned to support your needs. With Trina Solar as your strong, bankable partner you can rest assured knowing that you've made the right choice.

www.trinasolar.com

Trinasolar
Smart Energy Together



Ideal for large scale installations

- High power footprint reduces installation time & BOS costs



Excellent low light performance on cloudy days, mornings and evenings

- Back surface field
- Advanced Honey surface texturing
- Selective emitter



One of the industry's most trusted modules

- Field proven performance
- Trina Solar's financial solidity consistently confirmed by banks and investors



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
- PID resistant
- 1000V UL/1000V IEC certified

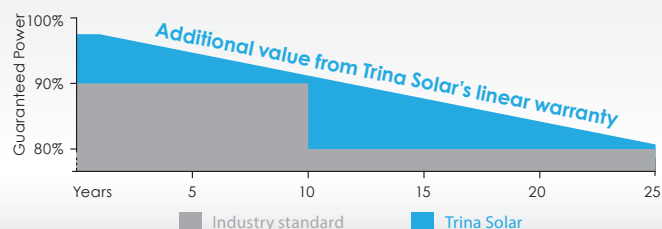


Certified to withstand challenging environmental conditions

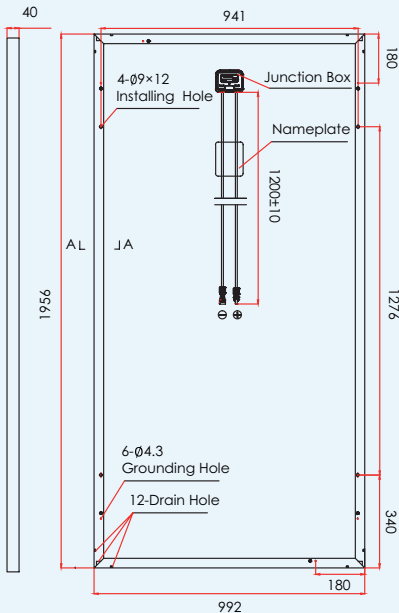
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h
- Ammonia resistance
- Salt mist resistance
- resistance to sand and dust abrasion

LINEAR PERFORMANCE WARRANTY

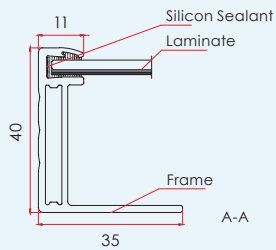
10 Year Product Warranty • 25 Year Linear Power Warranty



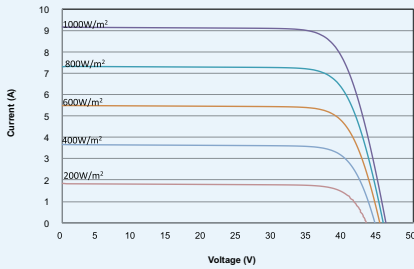
DIMENSIONS OF PV MODULE TSM-DD14A.05 (II)
(unit:mm)



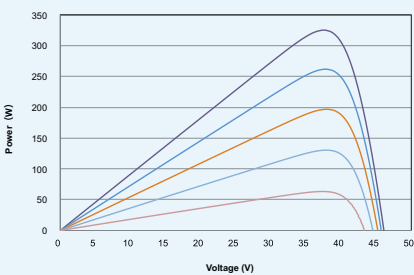
Back View



I-V CURVES OF PV MODULE (330W)



P-V CURVES OF PV MODULE (330W)



CERTIFICATION

IEC61215/EN61215
IEC61730/EN61730
IEC 627162 PFG 1917/05.11
IEC 61701
DIN EN 60068-2-68 LC2
MCS BRE PV0183



ELECTRICAL DATA @ STC

	TSM-330 DD14A.05 (II)
Peak Power Watts- P_{MAX} (Wp)*	330
Power Output Tolerance- P_{MAX} (W)	0/+5
Maximum Power Voltage- V_{MPP} (V)	37.8
Maximum Power Current- I_{MPP} (A)	8.73
Open Circuit Voltage- V_{OC} (V)	46.2
Short Circuit Current- I_{SC} (A)	9.27
Module Efficiency η_m (%)	17.0

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

ELECTRICAL DATA @ NOCT

	TSM-330 DD14A.05 (II)
Maximum Power- P_{MAX} (Wp)	246
Maximum Power Voltage- V_{MPP} (V)	34.9
Maximum Power Current- I_{MPP} (A)	7.04
Open Circuit Voltage- U_{OC} (V)	43.0
Short Circuit Current- I_{SC} (A)	7.49

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

MECHANICAL DATA

Solar cells	Monocrystalline 156 × 156 mm (6 inches)
Cell orientation	72 cells (6 × 12)
Module dimensions	1956 × 992 × 40 mm (77.0 x 39.1 x 1.57 inches)
Weight	26 kg
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass - 4.0 mm (0.15 inches)
Backsheet	Black
Frame	Black Anodized Aluminium Alloy
J-Box	IP 67 rated or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²), 1200 mm (47.2 inches)
Connector	MC4 Compatible

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (±2°K)
Temperature Coefficient of P_{MAX}	- 0.41%/K
Temperature Coefficient of V_{OC}	- 0.32%/K
Temperature Coefficient of I_{SC}	0.05%/K

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000 V DC (IEC) 1000 V DC (UL)
Max Series Fuse Rating	15 A
Mechanical Load	5400 Pa*
Wind Load	2400 Pa

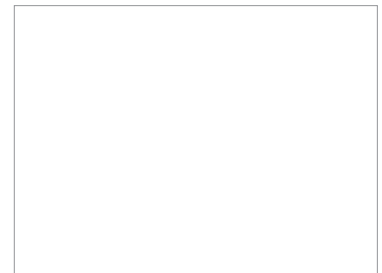
WARRANTY

10 year workmanship warranty
25 year linear performance warranty
(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box:	26 pieces
Modules per 40' container:	572 pieces

*The mechanical loading is dependent upon the mounting method. The mounting method described in Installation Manual 6.1 Section C can pass 2400Pa wind load and 2400Pa snow load test.



TSM_EN-2017_A