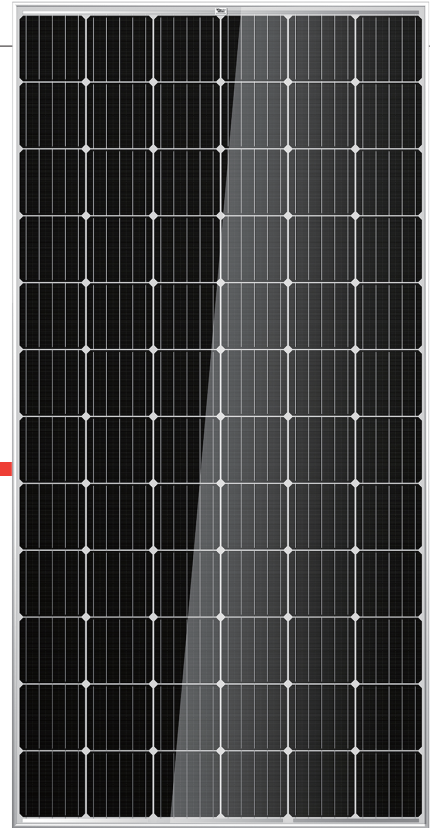


THE  
**TALLMAX<sup>M</sup> PLUS<sup>+</sup>**  
 FRAMED 72-CELL MODULE(1500V)



**72 CELL**  
 MONOCRYSTALLINE MODULE

**340-375W**  
 POWER OUTPUT RANGE

**19.3%**  
 MAXIMUM EFFICIENCY

**0~+5W**  
 POSITIVE POWER TOLERANCE

Founded in 1997, Trina Solar is the world's leading comprehensive solutions provider for solar energy. We believe close cooperation with our partners is critical to success. Trina Solar now distributes its PV products to over 60 countries all over the world. Trina is able to provide exceptional service to each customer in each market and supplement our innovative, reliable products with the backing of Trina as a strong, bankable partner. We are committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners.

**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



**Ideal for large scale installations**

- Reduce BOS cost by connecting more modules in a string
- 1500V UL/1500V IEC certified



**Maximize limited space with top-end efficiency**

- Up to 193 W/m<sup>2</sup> power density
- Low thermal coefficients for greater energy production at high operating temperatures



**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
- 100% EL double inspection

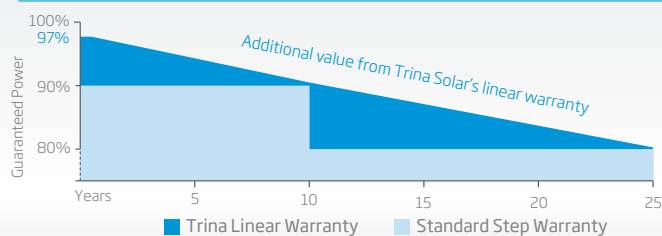


**Certified to withstand the most challenging environmental conditions**

- 2400 Pa wind load
- 5400 Pa snow load

**LINEAR PERFORMANCE WARRANTY**

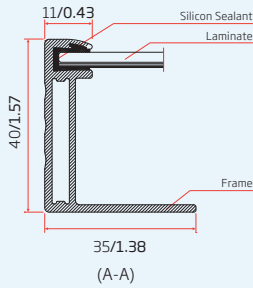
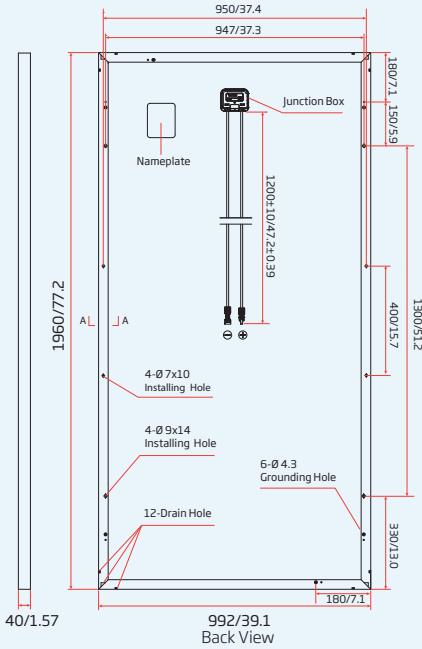
10 Year Product Warranty · 25 Year Linear Power Warranty



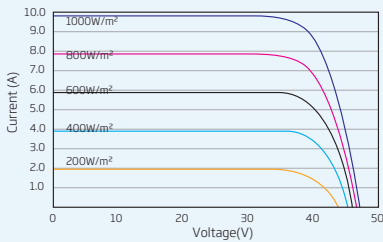
**PRODUCTS POWER RANGE**

TSM-DE14A(II) STD MONO 340-350W  
 TSM-DE14A(II) PERC MONO 355-375W

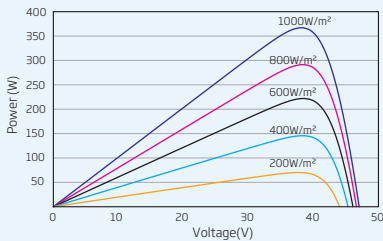
**DIMENSIONS OF PV MODULE(mm/inches)**



**I-V CURVES OF PV MODULE(365W)**



**P-V CURVES OF PV MODULE(365W)**



**ELECTRICAL DATA (STC)**

Peak Power Watts- $P_{MAX}$ (Wp)*	340	345	350	355	360	365	370	375
Power Output Tolerance- $P_{MAX}$ (W)	0 ~ +5							
Maximum Power Voltage- $V_{MPP}$ (V)	38.2	38.5	38.7	38.8	39.0	39.3	39.7	40.0
Maximum Power Current- $I_{MPP}$ (A)	8.90	8.96	9.04	9.14	9.24	9.30	9.33	9.37
Open Circuit Voltage- $V_{OC}$ (V)	46.2	46.7	47.0	47.4	47.7	48.0	48.3	48.5
Short Circuit Current- $I_{SC}$ (A)	9.50	9.55	9.60	9.65	9.70	9.77	9.83	9.88
Module Efficiency $\eta_m$ (%)	17.5	17.7	18.0	18.3	18.5	18.8	19.0	19.3

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5.  
 \*Measuring tolerance: ±3%.

**ELECTRICAL DATA (NOCT)**

Maximum Power- $P_{MAX}$ (Wp)	253	257	261	264	268	272	276	279
Maximum Power Voltage- $V_{MPP}$ (V)	35.4	35.7	35.9	36.0	36.2	36.4	36.8	37.1
Maximum Power Current- $I_{MPP}$ (A)	7.15	7.20	7.26	7.34	7.42	7.47	7.50	7.53
Open Circuit Voltage- $V_{OC}$ (V)	42.9	43.4	43.7	44.1	44.3	44.6	44.9	45.1
Short Circuit Current- $I_{SC}$ (A)	7.67	7.71	7.75	7.79	7.83	7.89	7.94	7.98

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

**MECHANICAL DATA**

Solar Cells	Monocrystalline 156.75 × 156.75 mm (6 inches)
Cell Orientation	72 cells (6 × 12)
Module Dimensions	1960 × 992 × 40 mm (77.2 × 39.1 × 1.57 inches)
Weight	26.0 kg (57.3 lb) with 4.0 mm glass; 22.5 kg (49.6 lb) with 3.2 mm
Glass	glass 4.0 mm (0.16 inches) for PERC Mono; 3.2 mm (0.13 inches) for Std Mono, High Transmission, AR Coated Tempered Glass
Backsheet	White
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 67 or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ), 1200 mm (47.2 inches)
Connector	MC4 or Amphenol UTX
Fire Type	Type 1 or Type 2

**TEMPERATURE RATINGS**

NOCT (Nominal Operating Cell Temperature)	44°C (±2°C)
Temperature Coefficient of $P_{MAX}$	- 0.39%/°C
Temperature Coefficient of $V_{OC}$	- 0.29%/°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	15A (Power ≤ 350W) 20A (Power ≥ 355W)

(DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

**WARRANTY**

10 year Product Workmanship Warranty

25 year Linear Power Warranty

(Please refer to product warranty for details)

**PACKAGING CONFIGURATION**

Modules per box: 27 pieces

Modules per 40' container: 648 pieces