THE TALLMAX
FRAMED 72-CELL MODULE (1500V)

72 CELL
MULTICRYSTALLINE MODULE

320-340W
POWER OUTPUT RANGE

17.5%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

Ideal for large scale installations
• Reduce BOS cost by connecting more modules in a string
• 1500V UL/1500V IEC certified

One of the industry’s most trusted modules
• Field proven performance

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
• 35 mm hail stones at 97 km/h

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
ISO14001: Environmental Management System
ISO14064: Greenhouse gases Emissions Verification
OHSAS 18001: Occupation Health and Safety Management System

EU-28 WEEE
COMPLIANT
RECYCLABLE
PACKAGING

Trina Solar was founded in 1997 and is headquartered in China. We believe in 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.

Trina Solar is one of the industry’s most trusted modules. We are committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners.

Trina Solar is committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners.
PRODUCTS | POWER RANGE
--- | ---
TSM-PE14A | 320-340W

**ELECTRICAL DATA (STC)**
- Peak Power Watts-P<sub>MAX</sub> (Wp)*: 320, 325, 330, 335, 340
- Power Output Tolerance-P<sub>MAX</sub> (W): 0 ~ +5
- Maximum Power Voltage-V<sub>MAX</sub> (V): 37.1, 37.2, 37.4, 37.6, 37.8
- Maximum Power Current-I<sub>MAX</sub> (A): 8.63, 8.73, 8.83, 8.91, 8.99
- Open Circuit Voltage-V<sub>OC</sub> (V): 45.5, 45.6, 45.8, 46.0, 46.2
- Module Efficiency m (%): 16.5, 16.7, 17.0, 17.2, 17.5

**ELECTRICAL DATA (NOCT)**
- Maximum Power-P<sub>MAX</sub> (Wp): 237, 241, 245, 249, 252
- Maximum Power Voltage-V<sub>MAX</sub> (V): 34.3, 34.4, 34.6, 34.8, 35.0
- Maximum Power Current-I<sub>MAX</sub> (A): 6.92, 7.00, 7.08, 7.14, 7.21
- Open Circuit Voltage-V<sub>OC</sub> (V): 42.1, 42.2, 42.4, 42.6, 42.8
- Short Circuit Current-I<sub>SC</sub> (A): 7.39, 7.42, 7.49, 7.55, 7.60

**MECHANICAL DATA**
- Solar Cells: Multicrystalline 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: 22.5 kg (49.6 lb)
- Glass: 3.2 mm (0.13 inches), 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 4.0mm² (0.006 inches²), 1200 mm (47.2 inches)
- Connector: Trina TS4
- Fire Type: Type 1 or Type 2

**TEMPERATURE RATINGS**
- NOCT (Nominal Operating Cell Temperature): 44°C (±2°C)
- Temperature Coefficient of P<sub>MAX</sub>: -0.41%/°C
- Temperature Coefficient of V<sub>OC</sub>: -0.32%/°C
- Temperature Coefficient of I<sub>SC</sub>: 0.05%/°C

**MAXIMUM RATINGS**
- Operational Temperature: -40 ~ +85°C
- Maximum System Voltage: 1500V DC (IEC)
- 1500V DC (UL)
- Max Series Fuse Rating: 15A

**WARRANTY**
- 10 year Product Workmanship Warranty
- 25 year Linear Power Warranty

**PACKAGING CONFIGURATION**
- Modules per box: 27 pieces
- Modules per 40' container: 648 pieces

(© 2017 Trina Solar Limited. All rights reserved. Specifications included in this datasheet are subject to change without notice. Version number: TSM_EN_2018_B www.trinasolar.com)

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