The ALLMAX™ Plus Framed 60-Cell Module

**60 CELL MONOCRYSTALLINE MODULE**

**275-315W POWER OUTPUT RANGE**

**19.2% MAXIMUM EFFICIENCY**

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

Maximize limited space with top-end efficiency
- Up to 192W/m² 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
- PID resistant
- 100% EL double inspection
- Selective emitter, advanced surface texturing

Certified to withstand the most challenging environmental conditions
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

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

Trina’s linear warranty provides an additional value from Trina’s linear warranty:

**LINEAR PERFORMANCE WARRANTY**

10 Year Product Warranty - 25 Year Linear Power Warranty

- Trina Linear Warranty
- Standard Step Warranty

Certifications:
- IEC 61215
- IEC 61730
- UL 1703
- IEC 61701
- IEC 62716
- ISO 9001
- ISO 14001
- ISO 14064
- OHSAS 18001
- CE
- UL
- TUV
- PV Maths
- CEC
- GOST
- TUV
- IEC
- PV Cycle
- Recycle

Trinasolar
### ELECTRICAL DATA (STC)

- Peak Power Watts-PMAX (Wp)*: 275, 280, 285, 290, 295, 300, 305, 310, 315
- Power Output Tolerance-PMAX (W): 0 ~ +5
- Maximum Power Voltage-Vmp (V): 31.4, 31.7, 31.8, 32.2, 32.5, 32.6, 32.9, 33.1, 33.3
- Maximum Power Current-Impp (A): 8.76, 8.84, 8.97, 9.01, 9.08, 9.19, 9.28, 9.37, 9.46
- Open Circuit Voltage-Voc (V): 38.4, 38.4, 38.5, 38.9, 39.6, 39.8, 40.0, 40.2, 40.5
- Module Efficiency ηp (%): 16.8, 17.1, 17.4, 17.7, 18.0, 18.3, 18.6, 18.9, 19.2

* Measuring tolerance ±3%.

### ELECTRICAL DATA (NOCT)

- Maximum Power Voltage-Vmp (V): 29.1, 29.4, 29.5, 29.9, 30.1, 30.2, 30.5, 30.7, 30.9
- Maximum Power Current-Impp (A): 7.04, 7.10, 7.21, 7.24, 7.30, 7.38, 7.46, 7.53, 7.60
- Open Circuit Voltage-Voc (V): 35.7, 35.7, 35.8, 36.2, 36.8, 37.0, 37.2, 37.4, 37.6
- Short Circuit Current-Isc (A): 7.46, 7.61, 7.68, 7.80, 7.82, 7.89, 7.95, 8.03, 8.10

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

### MECHANICAL DATA

- Solar Cells: Monocrystalline 156.75 × 156.75 mm (6 inches)
- Cell Orientation: 60 cells (6 × 10)
- Module Dimensions: 1650 × 992 × 35 mm (65.0 × 39.1 × 1.38 inches)
- Weight: 18.6 kg (41.0 lb)
- Glass: 3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
- Backsheet: White [DD05A.08(II)]; Black [DD05A.05(II)]
- Frame: Black Anodized Aluminium Alloy [DD05A.08(II), DD05A.05(II)]
- J-Box: IP 67 or IP 68 rated
- Cables: Photovoltaic Technology Cable 4.0mm² (0.006 inches²), 1000 mm (39.4 inches)
- Connector: MC4
- Fire Type: Type 1 or Type 2

### TEMPERATURE RATINGS

- NOCT (Nominal Operating Cell Temperature): 44°C (±2°C)
- Temperature Coefficient of PMAX: -0.39%/°C
- Temperature Coefficient of Voc: -0.29%/°C
- Temperature Coefficient of Isc: 0.05%/°C

### MAXIMUM RATINGS

- Operational Temperature: -40°C to +85°C
- Maximum System Voltage: 1000V DC (IEC)
- Max Series Fuse Rating: 15A (Power ≤285W)
- 20A (Power ≥290W)

**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: 30 pieces
- Modules per 40' container: 840 pieces

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