THE FraMEd 60 LAYER MODULE

60 LAYER MONOCRYSTALLINE MODULE

355-375W POWER OUTPUT RANGE

20.5% MAXIMUM EFFICIENCY

0~+5W POSITIVE POWER TOLERANCE

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/IEC61701/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO 14064: Greenhouse Gases Emissions Verification
OHSAS 18001: Occupation Health and Safety Management System

Trina standard

- Guaranteed Power: 83.1% for 5 years and 90% for 25 years
- 25 Year Power Warranty
- 10 Year Product Warranty

From the 2nd year to the 25th year, the average annual power decline will be no more than 0.6%.

High power
- Up to 375W front power and 20.5% module efficiency with half-cut and MBB (Multi Busbar) technology bringing more BOS savings
- Lower resistance of half-cut and good reflection effect of MBB ensure high power

High reliability
- Ensured PID resistance through cell process and module material control
- Resistant to salt, acid and ammonia
- Mechanical performance: Up 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 temp coefficient (-0.36%) and NMOT bring more energy leading to lower LCOE
- Better anti-shading performance and lower operating temperature
ELECTRICAL DATA (STC)

- **NMOT:** Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.
- **STC:** Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.
- Measuring tolerance: ±3%.

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

- **Voltage (V)**
- **Current (A)**

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

- **Power (W)**

### TEMPERATURE RATINGS

- **NMOT (Nominal Module Operating Temperature):** 41°C ±3°C
- **Temperature Coefficient of Pmax:** -0.36%/°C
- **Temperature Coefficient of Voc:** -0.26%/°C
- **Temperature Coefficient of Isc:** 0.04%/°C

### WARRANTY

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

### PACKAGING CONFIGURATION

- Modules per box: 30 pieces
- Modules per 40’ container: 780 pieces

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**ELECTRICAL DATA (NMOT)**

- **Maximum Power Pmax (Wp):** 268, 272, 276, 280, 283
- **Maximum Power Voltage-Vmp (V):** 31.5, 31.7, 32.0, 32.2, 32.4
- **Maximum Power Current-Impp (A):** 8.51, 8.57, 8.62, 8.67, 8.73
- **Open Circuit Voltage-Voc (V):** 38.1, 38.4, 38.7, 39.0, 39.3
- **Short Circuit Current-Iscc (A):** 8.99, 9.05, 9.10, 9.15, 9.22

**MECHANICAL DATA**

- **Solar Cells:** Monocrystalline
- **Cell Orientation:** 120 cells (6× 20)
- **Module Dimensions:** 1763× 1040 × 35 mm (69.41× 40.94 × 1.38 inches)
- **Weight:** 20.0 kg (44.1 lb)
- **Glass:** 3.2mm (0.13 inches), High Transmission, AR Coated Heat Strengthened Glass
- **Encapsulant Material:** EVA
- **Backsheet:** White
- **Frame:** 35 mm (1.38 inches) Anodized Aluminium Alloy
- **Cables:** Photovoltaic Technology Cable 4.0mm² (0.006 inches²), High Transmission, AR Coated Heat Strengthened Glass
- **Connector:** MC4 EVO2/TS4*

*Please refer to regional datasheet for specified connector.

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

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