THE

DUOMAX™

HALF-CELL DUAL GLASS 120 LAYOUT MODULE

120 LAYOUT MONOCRYSTALLINE MODULE

325-345W POWER OUTPUT RANGE

20.3% 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/UL1703
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’s DUOMAX Warranty

From the 2nd year to the 30th year, the average annual power decline will be no more than 0.5%.
**I-V CURVES OF PV MODULE (340W)**

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

**P-V CURVES OF PV MODULE (340W)**

- **Power (W)**

**TEMPERATURE RATINGS**

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

**ELECTRICAL DATA (STC)**

- **Peak Power Watts-PMAX (Wp)**: 325, 330, 335, 340, 345
- **Power Output Tolerance-PMAX (W)**: 0 ~ +5
- **Maximum Power Voltage-VMP (V)**: 33.6, 33.8, 34.0, 34.2, 34.4
- **Maximum Power Current-IMP (A)**: 9.67, 9.76, 9.85, 9.94, 10.03
- **Open Circuit Voltage-VOC (V)**: 40.4, 40.6, 40.7, 41.1, 41.2
- **Short Circuit Current-ISC (A)**: 10.30, 10.39, 10.48, 10.55, 10.70
- **Module Efficiency η (%)**: 19.1, 19.4, 19.7, 20.0, 20.3

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.

*Measuring tolerance ±3%.

**ELECTRICAL DATA (NMOT)**

- **Maximum Power-PMAX (Wp)**: 246, 250, 254, 258, 262
- **Maximum Power Voltage-VMP (V)**: 31.6, 31.8, 32.0, 32.2, 32.4
- **Maximum Power Current-IMP (A)**: 7.79, 7.86, 7.94, 8.01, 8.09
- **Open Circuit Voltage-VOC (V)**: 38.2, 38.3, 38.4, 38.8, 39.0
- **Short Circuit Current-ISC (A)**: 8.30, 8.38, 8.46, 8.54, 8.62

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

**MECHANICAL DATA**

- **Solar Cells**: Monocrystalline
- **Cell Orientation**: 120 cells (6 × 20)
- **Module Dimensions**: 1700 × 1002 × 30 mm (66.93 × 39.45 × 1.18 inches)
- **Weight**: 22.0 kg (48.5 lb)
- **Front Glass**: 2.0mm (0.08 inches), High Transmission, AR Coated Heat Strengthened Glass
- **Encapsulant Material**: EVA
- **Back Glass**: 2.0mm (0.08 inches), Heat Strengthened Glass
- **Frame**: 30 mm (1.18 inches) Anodized Aluminium Alloy
- **J-Box**: IP 68 rated
- **Cables**: Photovoltaic Technology Cable 4.0mm² (0.006 inches²), Portrait: N 140mm/P 285mm (5.51/11.22 inches), Landscape: N 1200 mm /P 1200 mm (47.24/47.24 inches)
- **Connector**: MC4/TS4*

*Please refer to regional datasheet for specified connector.

**WARRANTY**

- **12 year Product Workmanship Warranty**
- **30 year Power Warranty**

(Please refer to product warranty for details)

**TYPICAL INSTALLATION:**

- **NAMEPLATE**: Serial number
- **LAMINATE**: 30
- **Silicon Sealant**: 35
- **Frame**: 24.5
- **Silicon Sealant**: 20
- **LAMINATE**: 20
- **Grounding Hole**: 6
- **Drain Hole**: 12
- **Installing Hole**: 9×14
- **Installing Hole**: 957

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

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