THE DUOMAX
HALF-CELL DUAL GLASS 72 LAYOUT MODULE

72 LAYOUT MULTICRYSTALLINE MODULE

335-355W POWER OUTPUT RANGE

17.5% 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/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

Increased value
• Reduce BOS cost with higher power bin and 1500V system voltage
• 30 year linear warranty
• 0.5% annual degradation
• Low thermal coefficients for greater energy production at higher temperature

Half-cell design brings higher efficiency
• New cell string layout and split J-box location to reduce the energy loss caused by shading between modules
• Lower cell connection power losses due to half-cell layout(144 multicrystalline)

Highly reliable due to stringent quality control
• Over 30 in-house tests (UV, TC, HF etc)
• Increased module robustness to minimize micro-cracks
• PID resistant and free of snail trails
• 100% EL double inspection

Certified to withstand the most challenging environmental conditions
• 2400 Pa negative load
• 5400 Pa positive load
* 2400/5400 is the measured load and the safety factor is 1.5 times

Trina Solar’s DUOMAX Linear Performance Warranty

Additional value from Trina Solar’s DUOMAX warranty

-3.0% +1.6%
-2.5% +2.5%
-3.4% +3.4%
-4.3% +4.3%

Guaranteed Power

0% 80% 90% 95% 97.5% 100%

Years 0 5 10 15 20 25 30

Trina’s DUOMAX Linear Warranty
Trina standard
Industry standard
### ELECTRICAL DATA (STC)
- **Peak Power Watts-** PMAX (Wp)*: 335, 340, 345, 350, 355
- **Power Output Tolerance-** PMAX (W): 0 ~ +5
- **Maximum Power Voltage-** VMPP (V): 37.3, 37.5, 37.7, 37.9, 38.1
- **Maximum Power Current-** IMPP (A): 8.98, 9.06, 9.15, 9.23, 9.32
- **Open Circuit Voltage-** VOC (V): 46.0, 46.2, 46.4, 46.7, 47.0
- **Module Efficiency \( \eta \) (%): 16.5, 16.7, 17.0, 17.2, 17.5

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

### ELECTRICAL DATA (NMOT)
- **Maximum Power-** PMAX (Wp): 253, 257, 261, 265, 269
- **Maximum Power Voltage-** VMPP (V): 35.3, 35.5, 35.7, 35.9, 36.1
- **Maximum Power Current-** IMPP (A): 7.17, 7.24, 7.31, 7.37, 7.45
- **Open Circuit Voltage-** VOC (V): 43.3, 43.5, 43.7, 44.0, 44.2
- **Short Circuit Current-** ISC (A): 7.62, 7.69, 7.76, 7.83, 7.91

### MECHANICAL DATA
- **Solar Cells**: Multicrystalline
- **Cell Orientation**: 144 cells (6 × 24)
- **Module Dimensions**: 2024 × 1004 × 6 mm (79.69 × 39.53 × 0.24 inches)
- **Weight**: 29.2 kg (64.4 lb)
- **Front Glass**: 2.5 mm (0.10 inches), High Transmission, AR Coated Heat Strengthened Glass
- **Encapsulant Material**: EVA
- **Back Glass**: 2.5 mm (0.10 inches), Heat Strengthened Glass
- **Frame**: Frameless
- **J-Box**: IP 68 rated
- **Connector**: MC4 EVO2/TS4
- **Cables**: Photovoltaic Technology Cable 4.0mm² (0.006 inches²), Portrait: N 140mm/P 285mm(5.51/11.22inches), Landscape: N 1400 mm / P 1400 mm (55.12/55.12 inches)

### TEMPERATURE RATINGS
- **NMOT (Nominal Module Operating Temperature)**: 41°C (±3°C)
- **Temperature Coefficient of PMAX**: - 0.38%/°C
- **Temperature Coefficient of VOC**: - 0.31%/°C
- **Temperature Coefficient of ISC**: 0.05%/°C

* (Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

### WARRANTY
- **10 year Product Workmanship Warranty**
- **30 year Linear Power Warranty**

*(Please refer to product warranty for details)*

### PACKAGING CONFIGURATION
- **Modules per box**: 33 pieces
- **Modules per 40' container**: 726 pieces

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