

THE DUOMAX^M PLUS⁺

Featured With Gecko Grip



Gecko Grip



72 CELL
MONOCRYSTALLINE MODULE

330-355W
POWER OUTPUT RANGE

18.1%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

As a leading global manufacturer of next generation photovoltaic products, we believe close cooperation with our partners is critical to success. With local presence around the globe, 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 as the backbone of our shared success in driving Smart Energy Together.

Trina Solar Limited
www.trinasolar.com



Highly reliable due to stringent quality control

- PID resistant and free of snail trails
- Increased module robustness to minimize micro-cracks
- 100% EL double inspection



Enhanced safety

- Fire class A certified by TUV Rheinland according to fire test IEC 61730-2 / MST 23
- Certified for fire type13 (UL 1703)



Increased value

- Higher efficiency
- 30 year linear warranty
- 0.5% annual degradation
- Low thermal coefficients for more energy production at higher temperatures



Easy installation

- More convenient installation with Gecko Grip
- Reduced installation costs

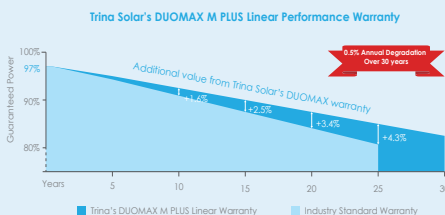


Certified to withstand the most challenging environmental conditions

- Module coating resistant to sand, acid, and alkali
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

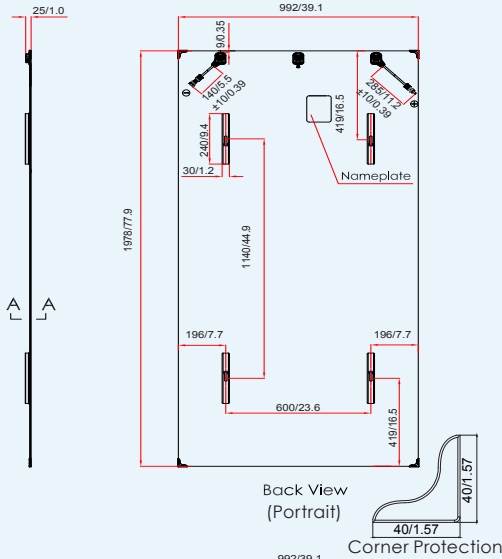
Comprehensive products and system certificates

- IEC 61215/ IEC 61730/ UL 1703/ IEC 61701/IEC 62716
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO 14064: Greenhouse Gases Emissions Verification
- OHSAS 18001: Occupation Health and Safety Management System



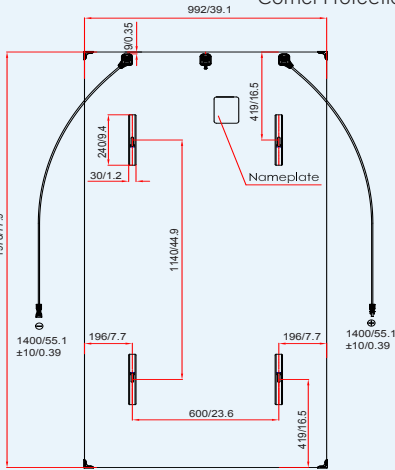
DIMENSIONS OF PV MODULE

unit:mm/inches



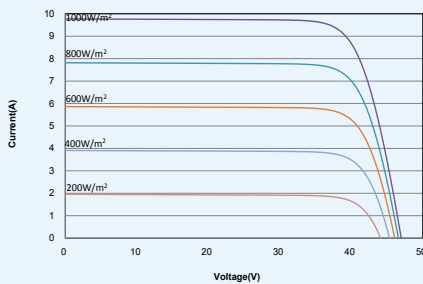
Back View
(Portrait)

Corner Protection

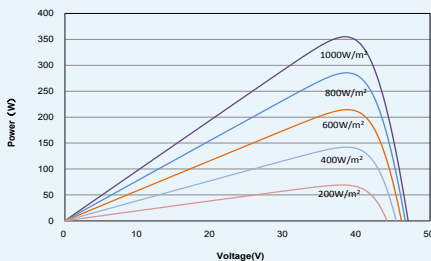


Back View
(Landscape)

I-V CURVES OF PV MODULE(355W)



P-V CURVES OF PV MODULE(355W)



ELECTRICAL DATA (STC)

| | 330 | 335 | 340 | 345 | 350 | 355 |
|---------------------------------------|--------|------|------|------|------|------|
| Peak Power Watts- P_{MAX} (Wp)* | 330 | 335 | 340 | 345 | 350 | 355 |
| Power Output Tolerance- P_{MAX} (W) | 0 ~ +5 | | | | | |
| Maximum Power Voltage- V_{MPP} (V) | 37.8 | 37.9 | 38.2 | 38.4 | 38.5 | 38.7 |
| Maximum Power Current- I_{MPP} (A) | 8.73 | 8.84 | 8.90 | 9.00 | 9.09 | 9.17 |
| Open Circuit Voltage- V_{OC} (V) | 46.2 | 46.3 | 46.5 | 46.7 | 46.9 | 47.0 |
| Short Circuit Current- I_{SC} (A) | 9.27 | 9.36 | 9.45 | 9.50 | 9.60 | 9.69 |
| Module Efficiency η_m (%) | 16.8 | 17.1 | 17.3 | 17.6 | 17.8 | 18.1 |

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5.
*Measuring tolerance: ±3%.

ELECTRICAL DATA (NOCT)

| | 246 | 250 | 253 | 257 | 261 | 264 |
|--------------------------------------|------|------|------|------|------|------|
| Maximum Power- P_{MAX} (Wp) | 246 | 250 | 253 | 257 | 261 | 264 |
| Maximum Power Voltage- V_{MPP} (V) | 34.9 | 35.1 | 35.2 | 35.5 | 35.6 | 35.8 |
| Maximum Power Current- I_{MPP} (A) | 7.04 | 7.12 | 7.19 | 7.25 | 7.33 | 7.40 |
| Open Circuit Voltage- V_{OC} (V) | 43.0 | 43.1 | 43.2 | 43.4 | 43.5 | 43.7 |
| Short Circuit Current- I_{SC} (A) | 7.49 | 7.56 | 7.63 | 7.67 | 7.75 | 7.82 |

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

MECHANICAL DATA

| | |
|-------------------|--|
| Solar Cells | Monocrystalline 156 × 156 mm (6 inches) |
| Cell Orientation | 72 cells (6 × 12) |
| Module Dimensions | 1978 × 992 × 6 mm (77.9 × 39.1 × 0.236 inches) 1984 × 998 × 7.6 mm with corner (78.1 × 39.3 × 0.299 inches) 1984 × 998 × 25 mm with corner and junction box (78.1 × 39.3 × 0.984 inches) |
| Weight | 28 kg (62 lb) |
| Front Glass | 2.5 mm (0.10 inches), High Transmission, AR Coated Heat Strengthened Glass |
| EVA | White |
| Back Glass | 2.5 mm (0.10 inches), Heat Strengthened Glass |
| Frame | Frameless |
| J-Box | IP 67 rated or IP 68 rated |
| Cables | Photovoltaic Technology Cable 4.0 mm ² (0.006 inches ²) Portrait: 140/285 mm (5.5/11.2 inches) Landscape: 1400/1400 mm (55.1/55.1 inches) |
| Connector | MC4 or Amphenol H4/UTX (1500V) |
| Fire Type | Type 13 |

TEMPERATURE RATINGS

| | |
|---|-------------|
| Nominal Operating Cell Temperature (NOCT) | 44°C (±2°C) |
| Temperature Coefficient of P_{MAX} | -0.39%/°C |
| Temperature Coefficient of V_{OC} | -0.29%/°C |
| Temperature Coefficient of I_{SC} | 0.05%/°C |

MAXIMUM RATINGS

| | |
|-------------------------|--------------------------------|
| Operational Temperature | -40~+85°C |
| Maximum System Voltage | 1500V DC (IEC) 1000VDC (UL) |
| Max Series Fuse Rating | 15A |

WARRANTY

10 year Product Workmanship Warranty

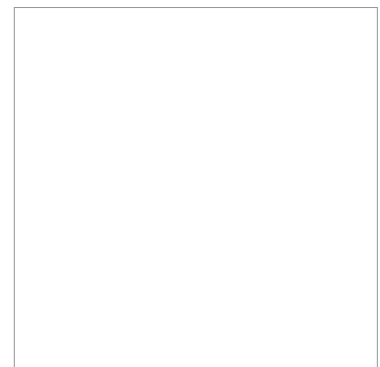
30 year Linear Power Warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 30 pieces

Modules per 40' container: 660 pieces



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