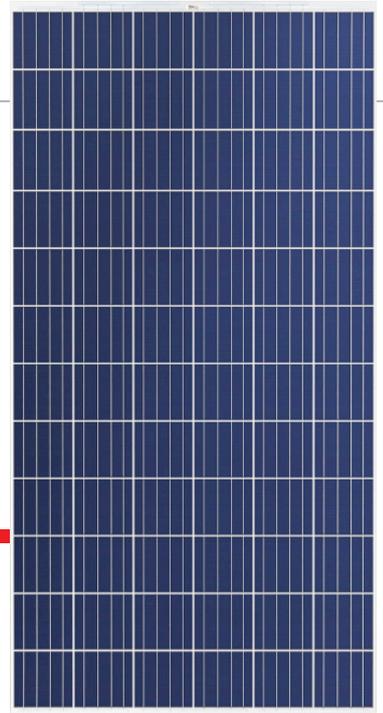


THE DUOMAX

MODULE



PEG14

72 CELL
MULTICRYSTALLINE MODULE

300-315W
POWER OUTPUT RANGE

16.1%
MAXIMUM EFFICIENCY

0~+3%
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



Improved durability

- PID resistant and free of snail trails
- Reduced soiling
- Increased module robustness to minimize micro-cracks



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 maximum system voltage reduces BOS costs
- 30 year linear warranty
- 0.5% annual degradation



Certified to withstand the most challenging environmental conditions

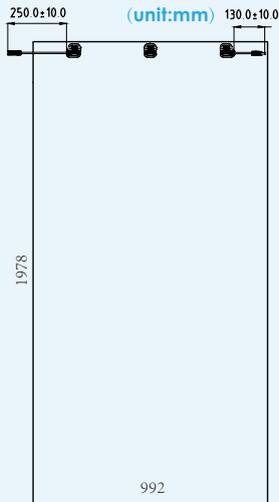
- Module coating resistant to sand, acid, and alkali
- 2400 Pa wind load* • 5400 Pa snow load*
- 35 mm hail stones at 97 km/h

Trina Solar's Duo-Max Linear Performance Warranty

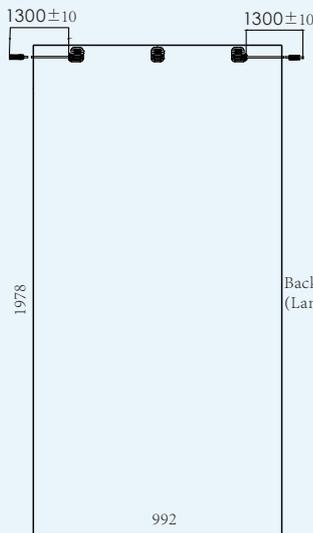


DIMENSIONS OF PV MODULE

(unit:mm)

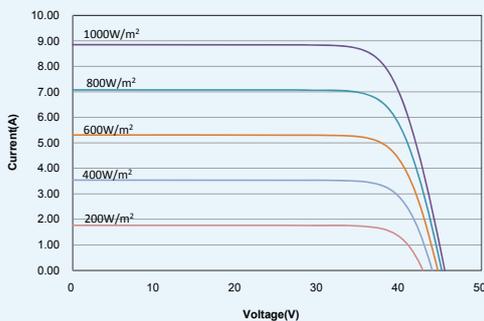


BackView
(Portrait)



BackView
(Landscape)

I-V CURVES OF PV MODULE(310W)



CERTIFICATION



ELECTRICAL DATA (STC)

Peak Power Watts- P_{MAX} (Wp)	300	305	310	315
Power Output Tolerance- P_{MAX} (%)	0 ~ +3			
Maximum Power Voltage- V_{MPP} (V)	36.4	36.6	36.8	37.0
Maximum Power Current- I_{MPP} (A)	8.24	8.33	8.42	8.51
Open Circuit Voltage- V_{OC} (V)	45.2	45.4	45.6	45.7
Short Circuit Current- I_{SC} (A)	8.74	8.82	8.91	8.99
Module Efficiency η_m (%)	15.3	15.5	15.8	16.1

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
Typical efficiency reduction of 4.5% at 200 W/m² according to EN 60904-1.

ELECTRICAL DATA (NOCT)

Maximum Power- P_{MAX} (Wp)	218	222	226	230
Maximum Power Voltage- V_{MPP} (V)	33.0	33.2	33.3	33.5
Maximum Power Current- I_{MPP} (A)	6.61	6.69	6.78	6.86
Open Circuit Voltage- V_{OC} (V)	41.3	41.5	41.6	41.8
Short Circuit Current- I_{SC} (A)	7.10	7.20	7.20	7.30

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

MECHANICAL DATA

Solar cells	Multicrystalline 156 × 156 mm
Cell orientation	72 cells (6 × 12)
Module dimensions	1978 × 992 × 6 mm (1978 x 992 x 21.5 mm with junction box)
Weight	28.6 kg
Front Glass	High Transmission, Low Iron, Heat Strengthened Glass, 2.5 mm
EVA	White
Back Glass	Heat Strengthened Glass, 2.5 mm
Frame	Frameless
J-Box	IP 65 rated or IP67 rated
Cables	Photovoltaic Technology cable 4.0 mm ² , Portrait:250/130 mm,Landscape:1300/1300mm.
Connector	MC4-EVO3 Compatible

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (±2°C)
Temperature Coefficient of P_{MAX}	-0.41%/°C
Temperature Coefficient of V_{OC}	-0.32%/°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

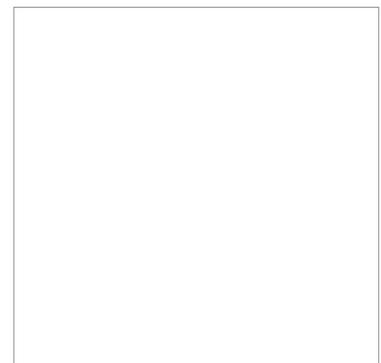
(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 30 pieces

Modules per 40' container: 660 pieces

*The mechanical loading is dependent upon the mounting method used and only approved clamps should be used.
For best results, install with the Trina clamp for duo max modules



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