THE ALLMAX M PLUS
FRAMED 60-CELL MODULE

60 CELL MONOCRYSTALLINE MODULE

275-315W POWER OUTPUT RANGE

19.2% MAXIMUM EFFICIENCY

0~+5W POSITIVE POWER TOLERANCE

Maximize limited space with top-end efficiency
- Up to 192W/m² power density
- Low thermal coefficients for greater energy production at high operating temperatures

Highly reliable due to stringent quality control
- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant
- 100% EL double inspection
- Selective emitter, advanced surface texturing

Certified to withstand the most challenging environmental conditions
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

Founded in 1997, Trina Solar is the world’s leading comprehensive solutions provider for solar energy. We believe close cooperation with our partners is critical to success. Trina Solar now distributes its PV products to over 60 countries all over the world. 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.

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

TrinaSolar

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty
FRAMED 60-CELL MODULE

ELECTRICAL DATA (STC)

Peak Power Watts-Pmax (Wp)* | 275 | 280 | 285 | 290 | 295 | 300 | 305 | 310 | 315
Power Output Tolerance-Pmax (W) | 0 ~ +5
Maximum Power Voltage-Vmp (V) | 31.4 | 31.7 | 31.8 | 32.2 | 32.5 | 32.6 | 32.9 | 33.1 | 33.3
Maximum Power Current-Imp (A) | 8.76 | 8.84 | 8.97 | 9.01 | 9.08 | 9.19 | 9.28 | 9.37 | 9.46
Open Circuit Voltage-Voc (V) | 38.4 | 38.4 | 38.5 | 38.9 | 39.6 | 39.8 | 40.0 | 40.2 | 40.5
Module Efficiency nmp (%) | 16.8 | 17.1 | 17.4 | 17.7 | 18.0 | 18.3 | 18.6 | 18.9 | 19.2

*Measuring tolerance ±3%.

ELECTRICAL DATA (NOCT)

Maximum Power-Pmax (Wp) | 205 | 209 | 212 | 216 | 220 | 223 | 227 | 231 | 235
Maximum Power Voltage-Vmp (V) | 29.1 | 29.4 | 29.5 | 29.9 | 30.1 | 30.2 | 30.5 | 30.7 | 30.9
Maximum Power Current-Imp (A) | 7.04 | 7.10 | 7.21 | 7.24 | 7.30 | 7.38 | 7.46 | 7.53 | 7.60
Open Circuit Voltage-Voc (V) | 35.7 | 35.7 | 35.8 | 36.2 | 36.6 | 37.0 | 37.2 | 37.4 | 37.6
Short Circuit Current-Is (A) | 7.46 | 7.61 | 7.68 | 7.80 | 7.82 | 7.89 | 7.95 | 8.03 | 8.10

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

MECHANICAL DATA

Solar Cells | Monocrystalline 156.75 × 156.75 mm (6 inches)
Cell Orientation | 60 cells (6 × 10)
Module Dimensions | 1650 × 992 × 35 mm (65.0 × 39.1 × 1.38 inches)
Weight | 18.6 kg (41.0 lb)
Glass | 3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Backsheet | White [DD05A.08(II)]; Black [DD05A.05(II)]
Frame | Black Anodized Aluminium Alloy [DD05A.08(II), DD05A.05(II)]
J-box | IP 67 or IP 68 rated
Cables | Photovoltaic Technology Cable 4.0mm² (0.006 inches²), 1000 mm (39.4 inches)
Connector | MC4
Fire Type | Type 1 or Type 2

TEMPERATURE RATINGS

NOCT(Nominal Operating Cell Temperature) | 44°C (±2°C)
Temperature Coefficient of Pmax | -0.39%/°C
Temperature Coefficient of Voc | -0.29%/°C
Temperature Coefficient of Isc | 0.05%/°C

MAXIMUM RATINGS

Operational Temperature | -40°C to +85°C
Maximum System Voltage | 1000V DC (IEC)
| 1000V DC (UL)
Max Series Fuse Rating | 15A (Power ≤285W)
| 20A (Power ≥290W)

WARRANTY

10 year Product Workmanship Warranty
25 year Linear Power Warranty

PACKAGING CONFIGURATION

Modules per box: 30 pieces
Modules per 40' container: 840 pieces

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