144 HALF-CUT MONOCRYSTALLINE CELLS

380-400W POWER OUTPUT RANGE

19.7% MAXIMUM EFFICIENCY

0/+5W POSITIVE POWER TOLERANCE

Higher power for large scale installations
- High performance mono PERC cells
- Reduced BOS costs with higher power bins and 1,500V system voltage
- Consistently high bankability ratings by BNEF, banks and investors

Half-cut cell design brings higher efficiency
- Optimized power output under inter-row shading conditions
- Integrated LRF for increased performance
- Low thermal coefficients for higher energy yield at elevated operating temperatures
- Reduced interconnection losses

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
- 2x 100% inline EL inspection

Certified to withstand challenging environmental conditions
- Salt Mist Corrosion
- Ammonia Corrosion
- Blowing Sand

Trina Solar is the world’s leading comprehensive solutions provider for solar energy. Founded in 1997, we believe close cooperation with our partners is critical to success. We now distribute our PV products to over 60 countries all over the world. Trina Solar is able to provide exceptional service to each customer in each market and supplement our innovative, reliable products with the backing of Trina Solar as a strong, bankable partner. We are committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners.

Comprehensive Product And System Certificates
IEC61215/IEC61730/UL1703
IEC61701 Salt Mist Corrosion
IEC62716 Ammonia Corrosion
IEC60068 Blowing Sand
ISO9001; ISO14001; OHSAS18001

Trina standard

Linear Performance Warranty
10 Year Product Warranty · 25 Year Linear Power Warranty

Trina standard
Industry standard

Additional value from Trina Solar’s linear warranty

Selected by leading international market research companies including BNEF, banks and investors.

Trina Solar’s high bankability rating is consistent across all markets, allowing you to feel confident in your long-term investment.

Energy Output Over Time

Year 10

Year 15

Year 20

Year 25

Guaranteed Power

0% 20% 40% 60% 80% 100%

Trina standard
Industry standard

Trina Solar’s linear warranty is consistently above industry standard.
CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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TRINASOLAR

ELECTRICAL DATA @ STC

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<td>Peak Power Watts (Wp)*</td>
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<td>385</td>
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<td>Power Output Tolerance (W)</td>
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<td>Maximum Power Voltage (V)</td>
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<td>Open Circuit Voltage (V)</td>
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<td>Short Circuit Current (A)</td>
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<td>Module Efficiency (%)</td>
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<td>19.2</td>
<td>19.4</td>
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</table>

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

ELECTRICAL DATA @ NMOT

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<td>Maximum Power (Wp)</td>
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NMOT: Irradiance 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar Cells: Monocrystalline
Cell Orientation: 144 cells (6 x 24)
Module Dimensions: 2024 x 1004 x 35 mm
Weight: 22.8 kg
Glass: 3.2 mm, High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material: EVA
Backsheet: White
Frame: 35 mm Anodized Aluminium Alloy
J-Box: IP 68 rated
Cables: Photovoltaic Cable 4.0mm², Portrait: N 140mm/P 285mm, Landscape: N 1400 mm/P 1400 mm
Connector: TS4

TEMPERATURE RATINGS

NMOT (Nominal Module Operating Temperature): 41°C (±3K)
Temperature Coefficient of Pmax: -0.37%/K
Temperature Coefficient of Umpp: -0.29%/K
Temperature Coefficient of Isc: 0.05%/K

MAXIMUM RATINGS

Operational Temperature: -40 to +85°C
Maximum System Voltage: 1500V DC (IEC)
Max Series Fuse Rating: 20 A
Snow Load: 5400 Pa (3600 Pa*)
Wind Load: 2400 Pa (1600 Pa*)
*Designed with safety factor 1.5 (DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

PACKAGING CONFIGURATION

Modules per box: 30 pieces
Modules per 40' container: 660 pieces

WARRANTY

10 year Product Workmanship Warranty
25 year Linear Performance Warranty

(Please refer to product warranty for details)