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
Certification

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.© 2014 Trina Solar Limited. All rights reserved. Specifications included in this datasheet are subject to change without notice.

Packaging Configuration

Modules per box: 30 pieces (Standard Box)
38 pieces (Small Box)

Modules per 40’ container: 840 pieces (Standard Box)
532 pieces (Small Box)

MECHANICAL DATA

Solar cells: Monocrystalline 125 × 125 mm (5 inches)
Cell orientation: 72 cells (6 × 12)
Module dimensions: 1581 × 809 × 35 mm
Weight: 14.9 kg
Glass: 3.2 mm, High Transmission, AR Coated Tempered Glass
Backsheet: White
Frame: Black Anodized Aluminium Alloy
J-Box: IP 65 or IP 67 rated
Cables: Photovoltaic Technology cable 4.0 mm², 900 mm
Connector: MC4 or MC4 Compatible

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT): 44°C (±2°C)
Temperature Coefficient of P<sub>MAX</sub>: -0.40%/°C
Temperature Coefficient of Voc: -0.31%/°C
Temperature Coefficient of Isc: 0.05%/°C

MAXIMUM RATINGS

Operational Temperature: -40°C to +85°C
Maximum System Voltage: 1000V DC (IEC)
Max Series Fuse Rating: 10A

Warranty

10 year Product Workmanship Warranty
25 year Linear Power Warranty

(Please refer to product warranty for details)

Electrical Data (STC)

| Peak Power Watts-P<sub>MAX</sub> (Wp) | 210 | 215 |
| Power Output Tolerance-P<sub>MAX</sub> (%) | 0 ~ +3 |
| Maximum Power Voltage-V<sub>MPP</sub> (V) | 37.6 | 38.4 |
| Maximum Power Current-I<sub>MPP</sub> (A) | 5.59 | 5.60 |
| Open Circuit Voltage-V<sub>OC</sub> (V) | 46.7 | 46.7 |
| Short Circuit Current-I<sub>SC</sub> (A) | 5.90 | 5.96 |
| Module Efficiency η<sub>m</sub> (%) | 16.4 | 16.8 |

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<sub>MAX</sub> (Wp) | 156 | 160 |
| Maximum Power Voltage-V<sub>MPP</sub> (V) | 34.8 | 35.2 |
| Maximum Power Current-I<sub>MPP</sub> (A) | 4.49 | 4.55 |
| Open Circuit Voltage-V<sub>OC</sub> (V) | 43.3 | 43.3 |
| Short Circuit Current-I<sub>SC</sub> (A) | 4.77 | 4.81 |

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