

Mono

Multi

Solutions

THE Honey^M MODULE

60 CELL
MONOCRYSTALLINE MODULE

260-275W
POWER OUTPUT RANGE

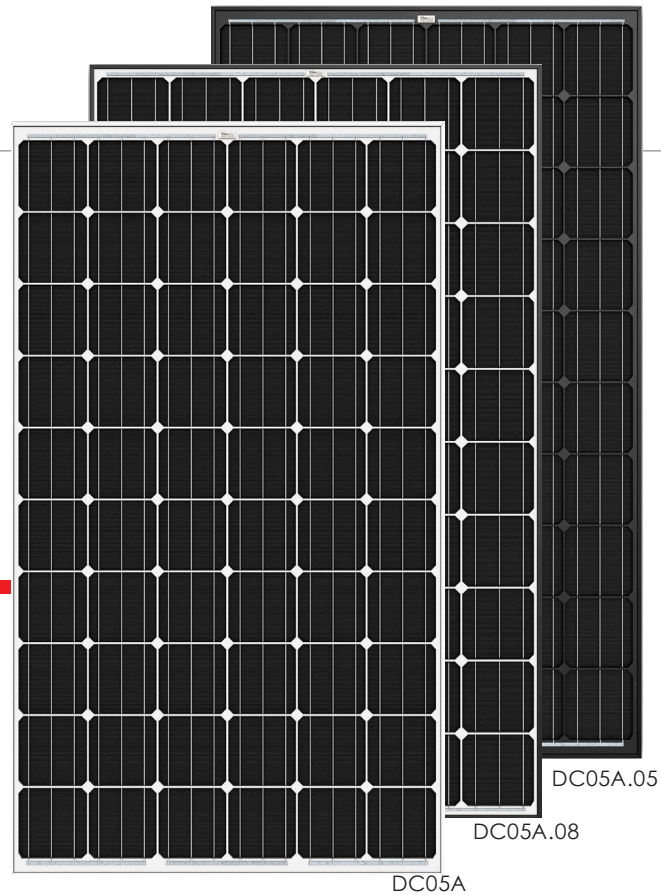
16.8%
MAXIMUM EFFICIENCY

0~+3%
POWER OUTPUT GUARANTEE

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

Trinasolar
Smart Energy Together



Maximize limited space with top-end efficiency

- Up to 165 W/m² power density
- Low thermal coefficients for greater energy production at high operating temperatures



Good aesthetics for residential applications

- Solid color dark mono cells



Excellent low light performance on cloudy days, mornings and evenings

- Advanced surface texturing
- Back surface field
- Selective emitter

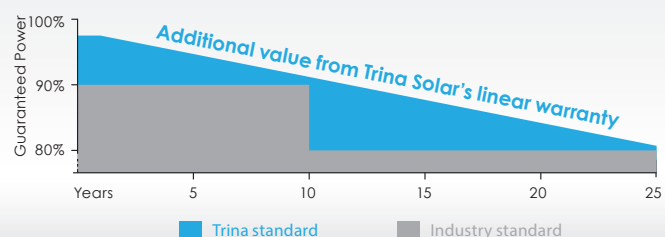


Highly reliable due to stringent quality control

- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- 35mm hail stone at 97 km/h
- PID resistant

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty

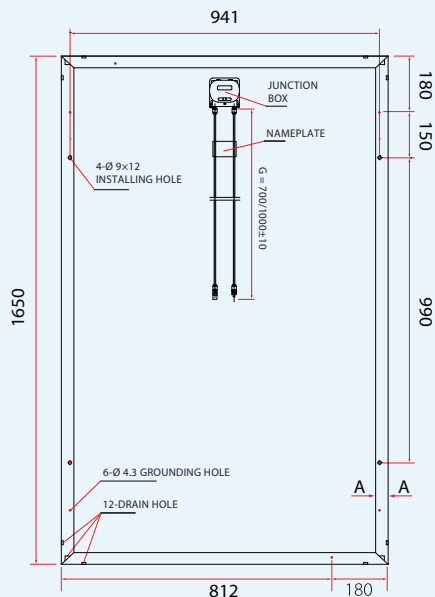


PRODUCTS POWER RANGE

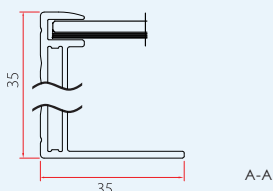
| | |
|---------------------|----------|
| TSM-DC05A | 265-275W |
| TSM-DC05A.08 | 265-275W |
| TSM-DC05A.05(Black) | 260-270W |

DIMENSIONS OF PV MODULE

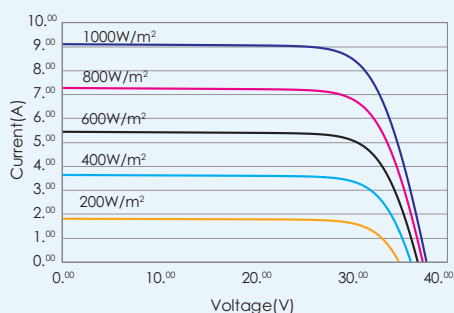
unit:mm



Back View



I-V CURVES OF PV MODULE(260W)



CERTIFICATION



ELECTRICAL DATA (STC)

| | | | | |
|---------------------------------------|--------|------|------|------|
| Peak Power Watts- P_{MAX} (Wp) | 260 | 265 | 270 | 275 |
| Power Output Tolerance- P_{MAX} (%) | 0 ~ +3 | | | |
| Maximum Power Voltage- V_{MPP} (V) | 30.7 | 30.7 | 30.8 | 31.2 |
| Maximum Power Current- I_{MPP} (A) | 8.49 | 8.63 | 8.77 | 8.82 |
| Open Circuit Voltage- V_{OC} (V) | 38.5 | 38.5 | 38.6 | 38.7 |
| Short Circuit Current- I_{SC} (A) | 9.01 | 9.10 | 9.23 | 9.26 |
| Module Efficiency η_m (%) | 15.9 | 16.2 | 16.5 | 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_{MAX} (Wp) | 194 | 197 | 201 | 205 |
| Maximum Power Voltage- V_{MPP} (V) | 28.4 | 28.5 | 28.6 | 29.0 |
| Maximum Power Current- I_{MPP} (A) | 6.82 | 6.92 | 7.02 | 7.08 |
| Open Circuit Voltage- V_{OC} (V) | 35.7 | 35.8 | 35.8 | 35.9 |
| Short Circuit Current- I_{SC} (A) | 7.28 | 7.35 | 7.45 | 7.48 |

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 | 60 cells (6 × 10) |
| Module dimensions | 1650 × 992 × 35 mm |
| Weight | 18.6 kg |
| Glass | 3.2 mm, High Transmission, AR Coated Tempered Glass |
| Backsheet | White(DC05A, DC05A.08); Black(DC05A.05) |
| Frame | Silver anodized aluminium alloy (DC05A); Black(DC05A.08, DC05A.05) |
| J-Box | IP 65 or IP 67 rated |
| Cables | Photovoltaic Technology cable 4.0 mm ² , 700/1000 mm |
| Connector | MC4 or MC4 Compatible |

TEMPERATURE RATINGS

| | |
|---|-------------|
| Nominal Operating Cell Temperature (NOCT) | 44°C(± 2°C) |
| Temperature Coefficient of P_{MAX} | - 0.40%/°C |
| Temperature Coefficient of V_{OC} | - 0.31%/°C |
| Temperature Coefficient of I_{SC} | 0.05%/°C |

WARRANTY

10 year Product Workmanship Warranty
25 year Linear Power Warranty

(Please refer to product warranty for details)

MAXIMUM RATINGS

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

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) |