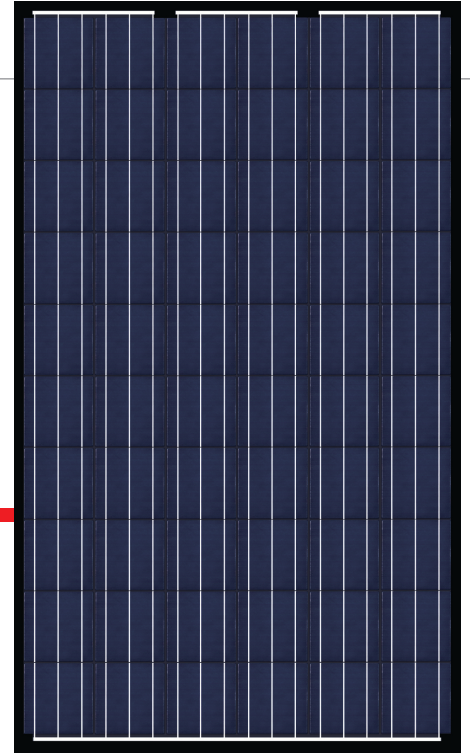


# THE Honey

## MODULE



PC05A.05

**60 CELL**  
MULTICRYSTALLINE MODULE

**250-265W**  
POWER OUTPUT RANGE

**16.2%**  
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](http://www.trinasolar.com)



### Excellent low light performance on cloudy days, mornings and evenings

- Advanced surface texturing
- Back surface field
- Selective emitter



### Maximize Limited Space

- 60-cell module power output up to 265W
- Up to 162 W/m<sup>2</sup> power density



### 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

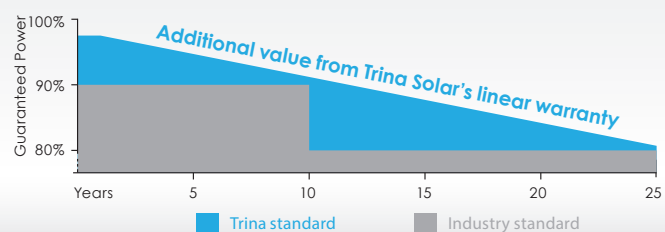


### Certified to withstand challenging environmental conditions

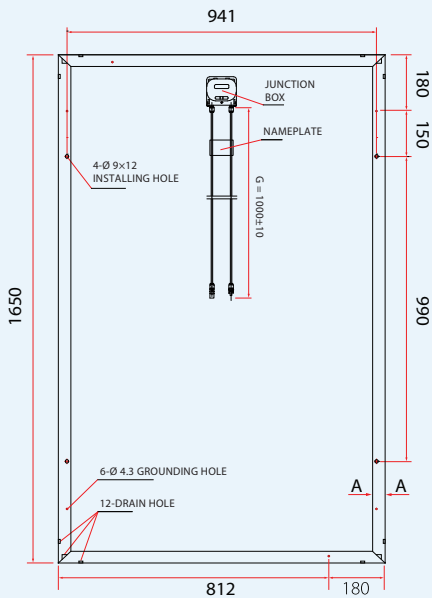
- 2400 Pa wind load
- 5400 Pa snow load

## LINEAR PERFORMANCE WARRANTY

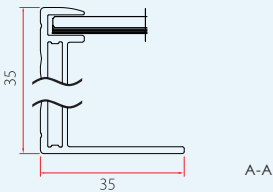
10 Year Product Warranty • 25 Year Linear Power Warranty



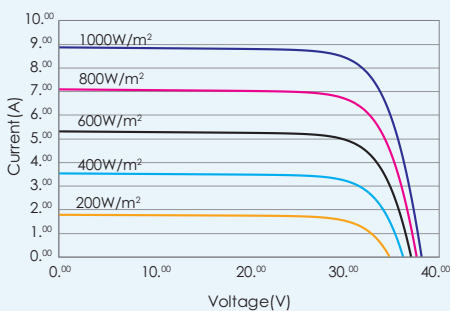
## DIMENSIONS OF PV MODULE unit:mm



Back View



## I-V CURVES OF PV MODULE(255W)



## CERTIFICATION



EU-28 WEEE  
COMPLIANT

## ELECTRICAL DATA (STC)

|                                       |        |      |      |      |
|---------------------------------------|--------|------|------|------|
| Peak Power Watts- $P_{MAX}$ (Wp)      | 250    | 255  | 260  | 265  |
| Power Output Tolerance- $P_{MAX}$ (%) | 0 ~ +3 |      |      |      |
| Maximum Power Voltage- $V_{MPP}$ (V)  | 30.3   | 30.5 | 30.6 | 30.8 |
| Maximum Power Current- $I_{MPP}$ (A)  | 8.27   | 8.37 | 8.50 | 8.61 |
| Open Circuit Voltage- $V_{OC}$ (V)    | 38.0   | 38.1 | 38.2 | 38.3 |
| Short Circuit Current- $I_{SC}$ (A)   | 8.79   | 8.88 | 9.00 | 9.10 |
| Module Efficiency $\eta_m$ (%)        | 15.3   | 15.6 | 15.9 | 16.2 |

STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.  
Typical efficiency reduction of 4.5% at 200 W/m<sup>2</sup> according to EN 60904-1.

## ELECTRICAL DATA (NOCT)

|                                      |      |      |      |      |
|--------------------------------------|------|------|------|------|
| Maximum Power- $P_{MAX}$ (Wp)        | 186  | 190  | 193  | 197  |
| Maximum Power Voltage- $V_{MPP}$ (V) | 28.0 | 28.1 | 28.3 | 28.4 |
| Maximum Power Current- $I_{MPP}$ (A) | 6.65 | 6.74 | 6.84 | 6.93 |
| Open Circuit Voltage- $V_{OC}$ (V)   | 35.2 | 35.3 | 35.4 | 35.5 |
| Short Circuit Current- $I_{SC}$ (A)  | 7.10 | 7.17 | 7.27 | 7.35 |

NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s.

## MECHANICAL DATA

|                   |   |
|-------------------|---|
| Solar cells       | Multicrystalline 156 × 156 mm (6 inches)                    |
| Cell orientation  | 60 cells (6 × 10)   |
| Module dimensions | 1650 × 992 × 35 mm  |
| Weight            | 18.6kg  |
| Glass             | 3.2 mm, High Transmission, AR Coated Tempered Glass         |
| Backsheet         | White   |
| Frame             | Silver Anodized Aluminium Alloy (PC05A); Black(PC05A.08)    |
| J-Box             | IP 65 or IP 67 rated  |
| Cables            | Photovoltaic Technology cable 4.0 mm <sup>2</sup> , 1000 mm |
| Connector         | MC4 or MC4 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  | 1000V DC (IEC) |
| Max Series Fuse Rating  | 15A            |

## WARRANTY

10 year Product  
Workmanship Warranty

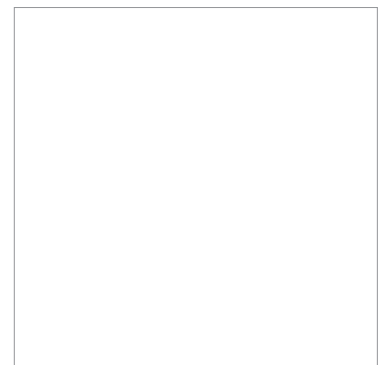
25 year Linear Power Warranty

(Please refer to product warranty for details)

## 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)



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