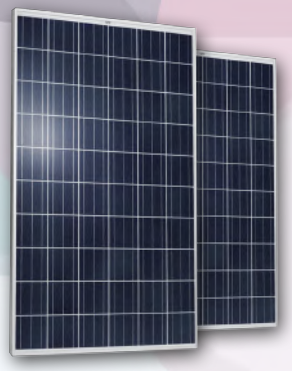
# Polycrystalline Series (60 Cells)

High Performance PV Modules



- Positive power output tolerance.
- Excellent efficiency and long term reliability.
- Good performance under high temperature and low irradiance conditions.
- 100% EL tested before and after lamination.
- Anodized Aluminium Frames provides stability and protection in all weather conditions.
- Manufactured using highest grade of raw materials from global supply chain leaders.
- 12 years of mechanical warranty and 30 years of performance warranty.

## Electrical Parameters: (All Data refers to STC (AM 1.5, 1000 W/m², 25°C)

| Model | MT 250 | MT 260 | MT 265 | MT 270 |
|---|---|---|---|---|
| Peak Power (Pmax) | 250 W | 260 W | 265 W | 270 W |
| Maximum Voltage (Vm) | 30.60 V | 31.14 V | 31.30 V | 31.38 V |
| Maximum Current (Im) | 8.19 A | 8.36 A | 8.47 A | 8.61 A |
| Open Circuit Voltage (Voc) | 37.08 V | 37.32 V | 37.56 V | 37.68 V |
| Short Circuit Current (Isc) | 8.70 A | 8.86 A | 8.90 A | 9.09 A |
| Module Efficiency (%) | 15.26 | 15.87 | 16.17 | 16.48 |

## NOCT Data:

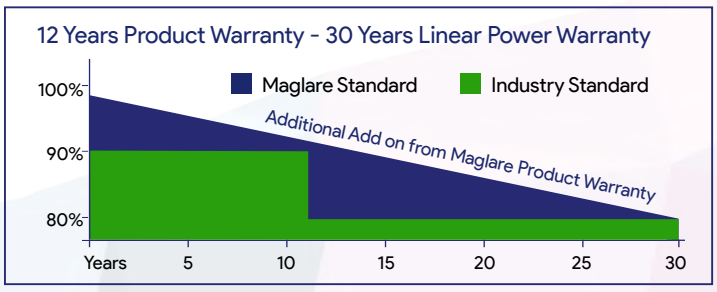
* Positive Power Tolerance

| Model | MT 250 | MT 260 | MT 265 | MT 270 |
|---|---|---|---|---|
| Peak Power (Pmax) | 183.75 W | 191.10 W | 194.78 W | 198.45 W |
| Maximum Voltage (Vm) | 27.97 V | 28.46 V | 28.61 V | 28.68 V |
| Maximum Current (Im) | 6.57 A | 6.72 A | 6.81 A | 6.92 A |
| Open Circuit Voltage (Voc) | 34.30 V | 34.52 V | 34.74 V | 34.85 V |
| Short Circuit Current (Isc) | 7.00 A | 7.13 A | 7.16 A | 7.32 A |

## Mechanical Parameters:

| | |
|---|---|
| Length X Width X Height | 1655mm X 990mm X 35mm |
| Weight | 17.60 Kg |
| Junction Box | IP 65/IP 67 |
| Cables & Connectors | 1000 mm cable length with MC4 compatible connectors |
| Superstrate | 3.2 mm, High Transmission, AR Coated Tempered Glass |
| Cells | 60 Polycrystalline Cells : 4BB / 5BB |
| Cell Encapsulation | EVA (Ethylene Vinyl Acetate) |
| Backsheet | Composite Film |
| AL Frame | Anodized Aluminium Alloy |
| Maximum Fuse Rating | 15A |

## Maglare Performance Warranty:

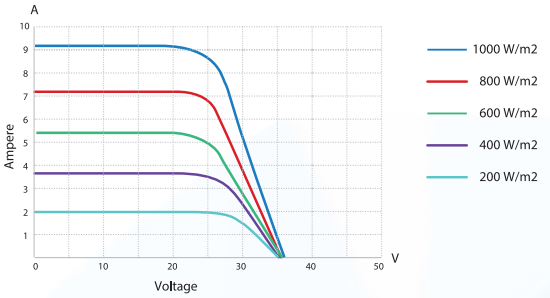


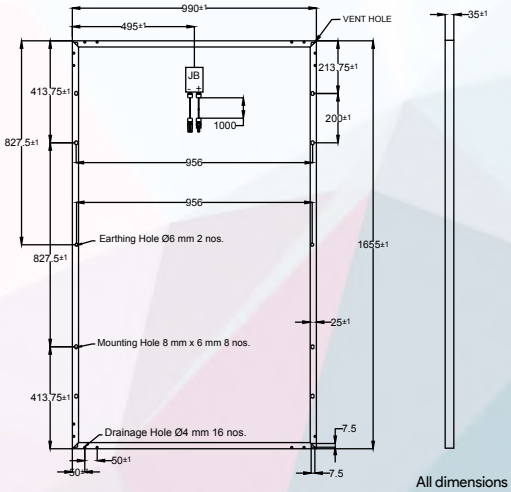

## Permissible Operating Conditions:

| | |
|---|---|
| Maximum System Voltage | = 1000 V |
| Maximum Surface Load | = 5400 Pa |
| Temperature Range | = - 40 °C to + 90 °C |
| Nominal Operating Cell Temp. (NOCT) | = 46 ±2 °C |
| Hail Resistance | = Maximum 25mm Diameter with 23m/s Velocity. |

## Temperature Coefficients:

| | | | |
|---|---|---|---|
| Short Circuit Current Temp. Coefficient | (α) | = | + 0.051 % / °C |
| Open Circuit Voltage Temp. Coefficient | (β) | = | - 0.32 % / °C |
| Power Temp. Coefficient | (γ) | = | - 0.38 % / °C |




All dimensions are in mm

Approvals & Certifications:
IEC 61215 (Ed. 2), IEC 61730 - 1 & 2 (Ed.1), IEC 61701 (Ed. 2)

Applications:

- Ground mounted and utility scale power plants
- On-grid rooftop residential, commercial
- Off-grid residential systems
- Industrial roof top installations
- Solar pumping applications

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