



- ✓ 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/m<sup>2</sup>, 25°C))

Model	MT 300	MT 310	MT 315	MT 320	MT 325	MT 330
Peak Power (Pmax)	300 W	310 W	315 W	320 W	325 W	330 W
Maximum Voltage (Vm)	36.72 V	37.36 V	37.44 V	37.61 V	38.16 V	38.59 V
Maximum Current (Im)	8.18 A	8.30 A	8.43 A	8.51 A	8.52 A	8.56 A
Open Circuit Voltage (Voc)	44.49 V	44.64 V	44.78 V	45.36 V	45.43 V	45.5 V
Short Circuit Current (Isc)	8.66 A	8.80 A	8.91 A	9.00 A	9.01 A	9.05 A
Module Efficiency (%)	15.38	15.89	16.15	16.41	16.66	16.92

### NOCT Data:

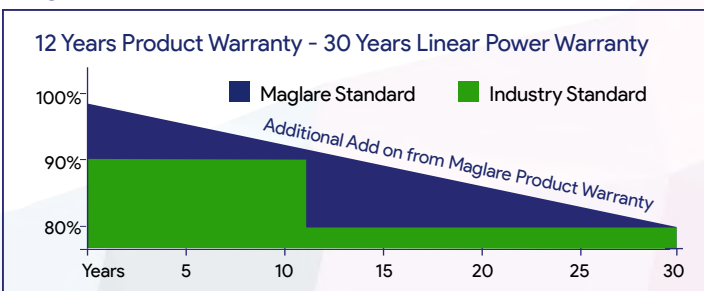
\* Positive Power Tolerance

Model	MT 300	MT 310	MT 315	MT 320	MT 325	MT 330
Peak Power (Pmax)	220.50W	227.85W	231.53W	235.20W	238.88W	242.55W
Maximum Voltage (Vm)	33.56 V	34.15 V	34.22 V	34.38 V	34.88 V	35.27 V
Maximum Current (Im)	6.57 A	6.67 A	6.77 A	6.84 A	6.85 A	6.88 A
Open Circuit Voltage (Voc)	41.15 V	41.29 V	41.42 V	41.96 V	42.02 V	42.09 V
Short Circuit Current (Isc)	6.97 A	7.08 A	7.17 A	7.25 A	7.25 A	7.29 A

### Mechanical Parameters:

Length X Width X Height	1970mm X 990mm X 40mm
Weight	22 Kg
Junction Box	IP 65/IP 67, 3 diodes
Cables & Connectors	1000 mm cable length with MC4 compatible connectors
Superstrate	3.2 mm, High Transmission, AR Coated Tempered Glass
Cells	72 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:

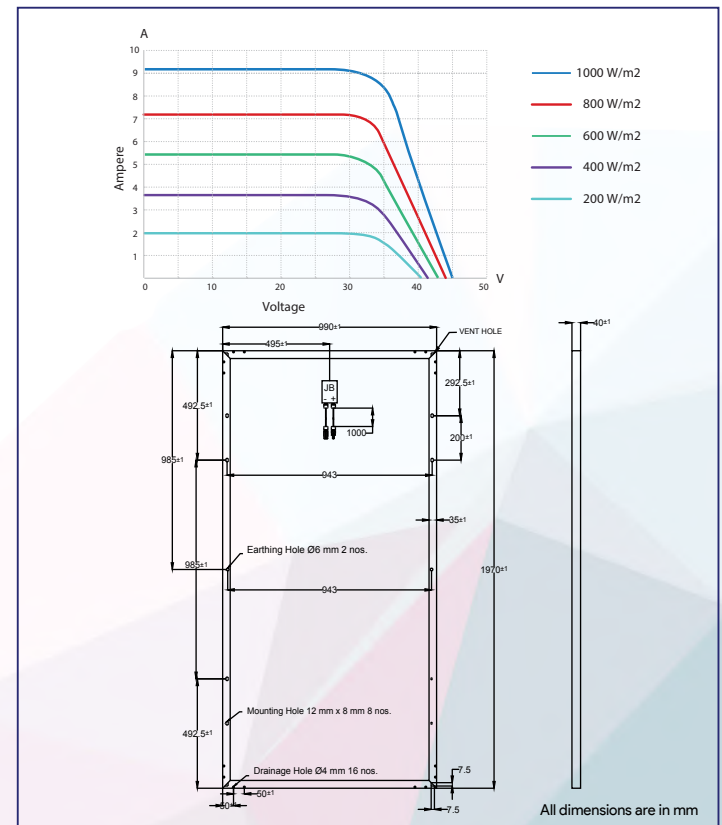


### Permissible Operating Conditions:

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.

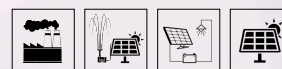
### Temperature Coefficients:

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



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