

## Maglare 36 Series

- ✓ 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.
- ✓ Low Iron Tempered Glass offers high resistance.
- ✓ Anodized Aluminium Frames provides stability and protection in all weather conditions.
- ✓ High Standard of encapsulation material from global supply chain leaders.
- ✓ 10 years of mechanical warranty and 25 years of performance warranty.



### Electrical Parameters: (All Data refers to STC (AM 1.5, 1000 W/m<sup>2</sup>, 25°C))

Model	MT10	MT12	MT20	MT25	MT30
Peak Power (Pmax)	10 W	12 W	20 W	25 W	30 W
Maximum Voltage (Vm)	18.72 V	18.72 V	18.72 V	18.72 V	18.72 V
Maximum Current (Im)	0.54 A	0.65 A	1.07 A	1.34 A	1.61 A
Open Circuit Voltage (Voc)	22.32 V	22.32 V	22.32 V	22.32 V	22.32 V
Short Circuit Current (Isc)	0.56 A	0.69 A	1.14 A	1.42 A	1.71 A
Module Efficiency (%)	10.44	12.53	12.11	9.51	11.42

\* Tolerance ± 3% except Pmax | \* Positive Power Tolerance

### Mechanical Parameters:

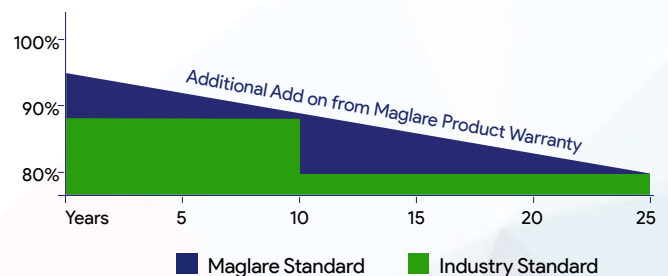
Length X Width X Height	383mm X 250mm X 22mm
Weight	1.5 Kg
Junction Box	IP 65
Cables & Connectors	NA
Superstrate	High Transmission Low Iron Tempered Glass
Cells	36 Polycrystalline Cells : 4BB
Cell Encapsulation	EVA (Ethylene Vinyl Acetate)
Backsheet	Composite Film
AL Frame	Anodized Aluminium Alloy

### Applications:

- ✓ Off-grid residential systems
- ✓ Solar Street Light

### Maglare Performance Warranty:

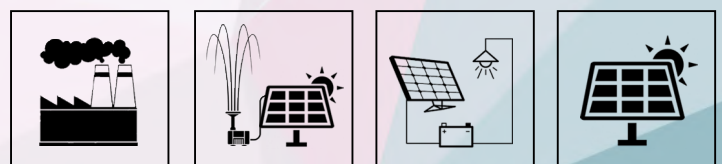
#### 10 Years Product Warranty - 25 Years Linear Power Warranty



#### Approvals and Certifications\*

IEC 61215, IEC 61730 -1 & 2, IEC 61701 (Ed.2)  
ISO 9001, 14001, 18001

\* All (\*) certifications are under progress.



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### Electrical Parameters: (All Data refers to STC (AM 1.5, 1000 W/m<sup>2</sup>, 25°C))

Model	MT37	MT40	MT50	MT70	MT75
Peak Power (Pmax)	37 W	40 W	50 W	70 W	75 W
Maximum Voltage (Vm)	18.72 V	18.72 V	18.72 V	18.72 V	18.72 V
Maximum Current (Im)	1.98 A	2.14 A	2.68 A	3.74 A	4.01 A
Open Circuit Voltage (Voc)	22.32 V	22.32 V	22.32 V	22.32 V	22.32 V
Short Circuit Current (Isc)	2.09 A	2.26 A	2.82 A	3.97 A	4.22 A
Module Efficiency (%)	12.08	13.07	13.54	13.49	14.45

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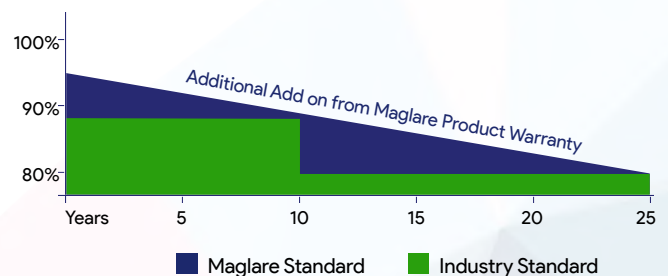
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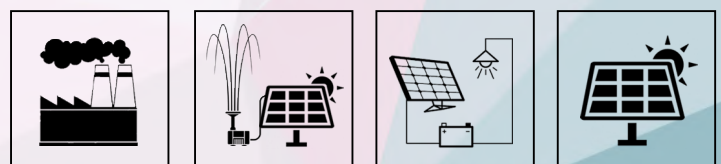
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### Electrical Parameters: (All Data refers to STC (AM 1.5, 1000 W/m<sup>2</sup>, 25°C))

Model	MT100	MT120	MT140	MT150
Peak Power (Pmax)	100 W	120 W	140 W	150 W
Maximum Voltage (V <sub>m</sub> )	18.72 V	18.72 V	18.72 V	18.72 V
Maximum Current (I <sub>m</sub> )	5.35 A	6.42 A	7.48 A	8.02 A
Open Circuit Voltage (V <sub>oc</sub> )	22.32 V	22.32 V	22.32 V	22.32 V
Short Circuit Current (I <sub>sc</sub> )	5.62 A	6.75 A	7.86 A	8.43 A
Module Efficiency (%)	14.74	14.73	14.08	15.08

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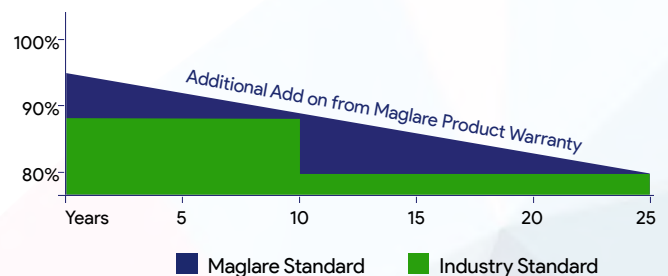
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