

Maglare 54 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/m², 25°C))

Model	MT220	MT240	
Peak Power (Pmax)	220 W	240 W	
Maximum Voltage (Vm)	28.08 V	28.62 V	
Maximum Current (Im)	7.84 A	8.39 A	
Open Circuit Voltage (Voc)	33.48 V	34.02 V	
Short Circuit Current (Isc)	8.24 A	8.93 A	
Module Efficiency (%)	14.86	16.21	

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

Mechanical Parameters:

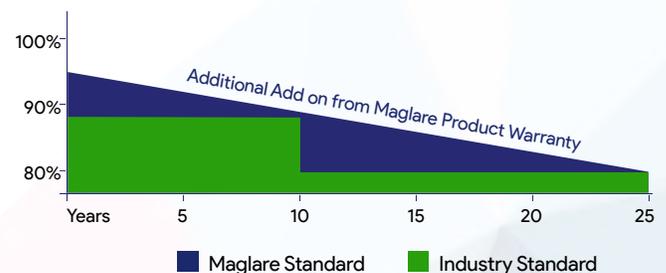
Length X Width X Height	1495mm X 990mm X 35mm
Weight	15 Kg
Junction Box	IP 65
Cables & Connectors	1000 mm cable length with MC4 compatible connectors
Superstrate	High Transmission Low Iron Tempered Glass
Cells	54 Polycrystalline Cells : 4BB
Cell Encapsulation	EVA (Ethylene Vinyl Acetate)
Backsheet	Composite Film
AL Frame	Anodized Aluminium Alloy

Applications:

- ✓ On-grid rooftop residential, commercial
- ✓ Off-grid residential systems
- ✓ Industrial roof top installations
- ✓ Solar pumping applications

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.

