

Maglare 18 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	MT3	MT5	
Peak Power (Pmax)	3 W	5 W	
Maximum Voltage (Vm)	9.36 V	9.36 V	
Maximum Current (Im)	0.33 A	0.54 A	
Open Circuit Voltage (Voc)	11.16 V	11.16 V	
Short Circuit Current (Isc)	0.35 A	0.56 A	
Module Efficiency (%)	8.22	9.19	

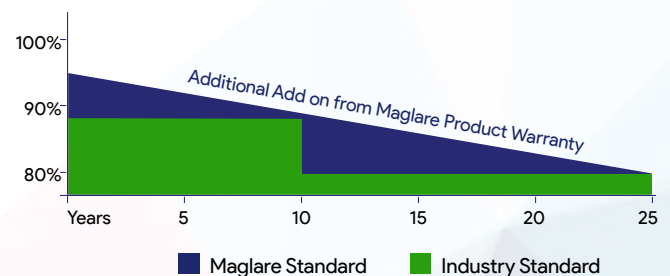
* Tolerance ± 3% except Pmax | * Positive Power Tolerance

Mechanical Parameters:

	MT3	MT5
Length X Width X Height	257mm X 142mm X 22mm	383mm X 142mm X 22mm
Weight	0.80 Kg	1.0 Kg
Junction Box	IP 65	
Cables & Connectors	NA	
Superstrate	High Transmission Low Iron Tempered Glass	
Cells	18 Polycrystalline Cells : 4BB	
Cell Encapsulation	EVA (Ethylene Vinyl Acetate)	
Backsheet	Composite Film	
AL Frame	Anodized Aluminium Alloy	

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.



Applications:

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

