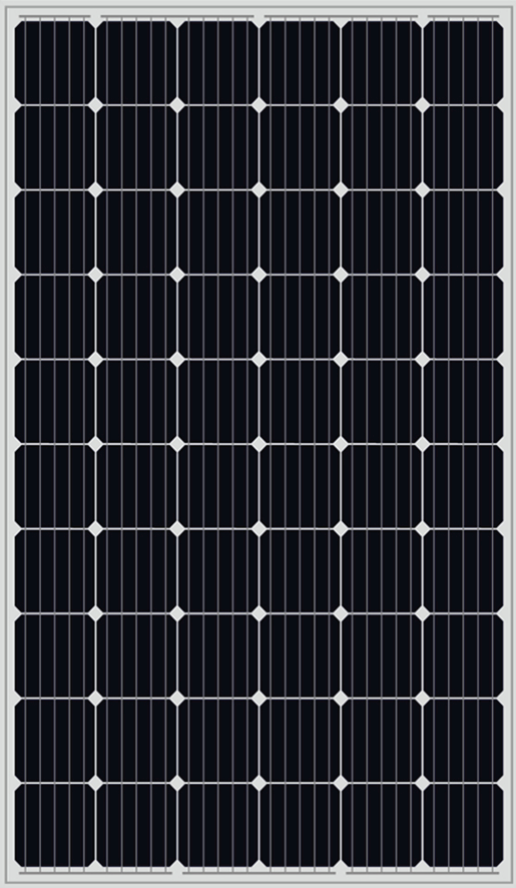
Monocrystalline Series (72 Cells)

High Performance PV Modules 380W To 400W

- **Glass with anti-reflective coating improves** light transmission
- PID resistant with **long term reliability**
- **Better performance** even at low irradiance condition
- **Positive Power Tolerance** and Higher specific yield
- Loss minimization due to excellent **temperature co-efficient**
- Excellent module conversion **efficiency more than 19%**
- **BOS cost reduction by connecting** more modules in a string as per maximum system voltage
- **100% EL tested** before and after lamination



Applications

Residential | Commercial | Utility | Off-grid

12 YEARS PRODUCT WARRANTY

30 YEARS PERFORMANCE WARRANTY

THE INDUSTRY'S FOOTPRINT

We, Maglare Technologies Pvt Ltd (MTPL), is providing reliable and cost effective energy solutions with focus on "know how" of emerging PV technologies of solar modules and implement them in methodical manner. This keeps us ahead in photovoltaic industry with the best quality products along with high power output and long term reliability.

Product Certifications:

IEC 61215 | IEC 61730 -1 & 2
IEC 62804-1 | IEC 61701
IEC 61853-1

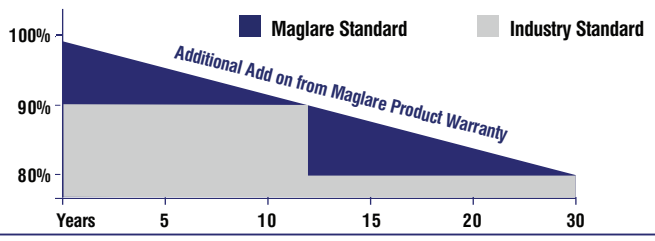
(Certifications are in progress)*

Management Certifications:

ISO 9001 : 2015 | ISO 14001 : 2015 | ISO 45001 : 2018

Maglare Performance Warranty:

12 Years Product Warranty - 30 Years Linear Power Warranty



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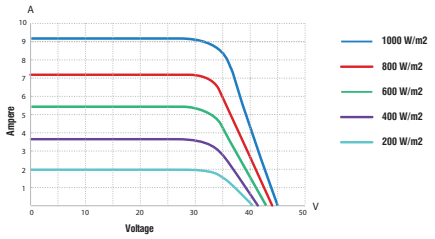
Monocrystalline Series (72 Cells)

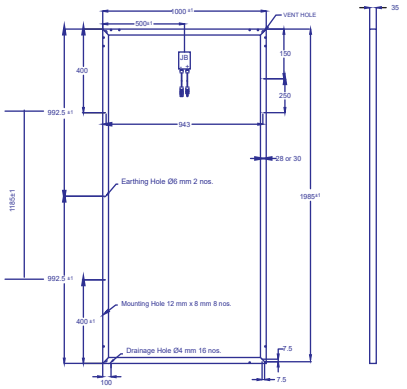
High Performance PV Modules 380W To 400W

Electrical Parameters at STC:

Model	MTMF380	MTMF385	MTMF390	MTMF395	MTMF400
Capacity rating - Pmax(Wp)	380	385	390	395	400
Rated voltage - Vmp(V)	39.76	39.95	40.14	40.34	40.54
Rated current - Imp(A)	9.56	9.64	9.72	9.80	9.88
Open circuit voltage - Voc(V)	48.74	48.94	49.15	49.37	49.59
Short circuit current - Isc(A)	9.94	10.00	10.07	10.13	10.20
Module efficiency (%)	19.14	19.40	19.65	19.90	20.15

*Standard Test Conditions (STC) - 1000 W/m2 irradiance, Air Mass 1.5 and 25°C cell temperature. Except Pm all other parameters have a tolerance of ± 2%





All dimensions are in mm

Electrical Parameters at NOCT:

Capacity rating - Pmax(Wp)	282.23	285.94	289.55	293.20	296.86
Rated voltage - Vmp(V)	36.87	37.05	37.24	37.44	37.63
Rated current - Imp(A)	7.66	7.72	7.78	7.84	7.90
Open circuit voltage - Voc(V)	45.38	45.57	45.79	46.02	46.26
Short circuit current - Isc(A)	8.01	8.06	8.11	8.16	8.21

*Nominal Operating Cell Temperature (NOCT) - 800 W/m² irradiance, Air Mass 1.5, Ambient temperature 20°C and Wind speed 1 m/s.

Mechanical Characteristics:

Length x Width x Thickness (L x W x T)	1985 mm x 1000 mm x 35 mm
Weight	22.5 kgs
Solar Cells per Module (Units) / Arrangement	72 / (12x6)
Solar Cell	Mono PERC
Front Glass	3.2 mm Low Iron and Tempered glass with ARC coating
Encapsulate	PID Free & UV Resistant
Junction Box (Protection degree / Material)	IP67/IP68 rated / Weatherproof PPO
Connector (Protection degree / Type)	IP68 rated / MC4 compatible
Cable Cross - Section & Length	4mm² & 1200mm
Frame	Anodized Aluminium Alloy
Series Fuse Rating	16A
Application Class | Electrical Safety | Fire Safety	Class A | Class II | Class C (Type 1)
Surface Load	Snow load 5400 Pa, Wind load 2400 Pa

- Maglare is committed to provide quality solar PV Modules with its excellent R & D and Innovative Techniques. We are a proud supplier with a customer base in over 200+ locations nationally and 18 countries globally.

Temprature Coefficients:

Temperature coef cient of Current (Isc), α (%/°C)	0.05
Temperature coef cient of Voltage (Voc), ß (%/°C)	-0.27
Temperature coef cient of Power (Pm), γ (%/°C)	-0.37

- The electrical data given here is for reference purpose only.
- Before placing order confirm your requirement with our sales representative.
- Refer installation Manual instructions & Maglare warranty statement for terms & conditions
- Due to constant product modifications, Maglare reserves the right to amend the above specifications without prior notice.

Permissible Operating Conditions:

Operating temperature range(°C)	-40 to +85
Max. system voltage, Vdc	1500
Hail impact velocity, m/sec	23
NOCT (°C)	46 ± 2
Maximum series suse rating	20A

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