



OUR APPROACH

Msquare Energy believes high quality solar power should be produced locally at globally competitive pricing. Meticulous manufacturing, testing and quality assurance standards, TÜV certified raw materials and developed QMS system ensures consistent quality and traceability.



AUSTRALIAN QUALITY STANDARD

- Excellent mechanical loads 3600 PA positive & 1600PA negative
- High temperature operation
- Easy module replacement Quality control and traceability by stringent QMS system

CERTIFICATIONS

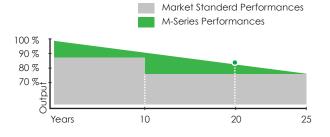
- TÜV & SÜD
- CSA, IEC 61730 and IEC 61215
- State of ART fully automatic facility
- Earth leakage tested to 3600V DC
- Double Electro-Luminescence (EL) tested
- Built to perform in low light condition
- Module exceeds the fire class C performance per UL790

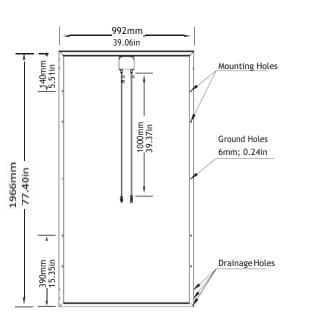


PERFORMANCE WARRANTY

Max power decrease **0.5%**/year **97%** at the end of **first** year **90%** at the end of **20th** year **87%** at the end of **25th** year









PV Connector Model - TT01, 1000V, 30A, IP67

SPECIFICATIONS

Solar Cells: 5 bus-bar, Mono Perc

Solar Glass: 3.2mm, tempered, low iron, high transparency solar safety glass.

Encapsulation: EVA

Backsheet: White

Frame: Extruded, black anodized aluminum

Junction Box: IP67 rated, 900mm cable,

Weight: 18-24KG

External Dimension: 1966mm x 992mm x 40mm

Modules	MS-330-M72	MS-345-M72	MS-365-M72	MS-380-M72	
	STC NOCT	STC NOCT	STC NOCT	STC NOCT	
Maximum Power (Pmax)	330Wp 244Wp	345Wp 256Wp	365Wp 271Wp	380Wp 282Wp	
Maximum Power Voltage (Vmp)	37.3V 35.42V	37.9V 35.6V	38.7V 36.4V	39.4V 36.9V	
Maximum Power Current(Imp)	8.85A 6.88A	9.11A 7.19A	9.44A 7.47A	9.65A 7.65A	
Open-circuit Voltage (Voc)	46.1V 42.36V	46.8V 43.2V	47.6V 44.0V	48.3V 44.6V	
Short-circuit Current (Isc)	9.14A 7.38A	9.43A 7.64A	9.78A 7.90A	10.02A 8.11A	
Module Efficiency STC (%)	18.6%	18.9%	19.3%	19.7%	
Operating Temperature (°C)	-40°C ~+85°C				
Maximum System Voltage	1000VDC (UL and IEC)				
Maximum Series Fuse Rating	20A				
Power Tolerance	0~+3%				

Short Circuit Current Tolerance - +/-4% Open Circuit Voltage Tolerance - +/-2%

NOCT : Irradiance at 800 W/m2, Ambient Temperature 20°C, Wind Speed 1 m/s

STC : Irradiance 1000 W/m2, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3

TEMPERATURE RATINGS		MAXIMUM RATINGS	
Nominal OperatingCell Temp	45°C (±2°C)	Operational Temp	-40 to +85°C
Tempcoefficient of Pmax	-0.31%/°C	Max system Voltage	1000V DC (IEC)
Tempcoefficientof Voc	-0.31%/°C	Max Series Fuse Rating	20A
Tempcoefficient of Isc	0.03%/°C	Mechanical Load	3600pa

Msquare Energy Pty Ltd.

☎ 1800 336 786 , +61286073354
☎ support@msquareenergy.com.au

www.msquareenergy.com.au

Made In China