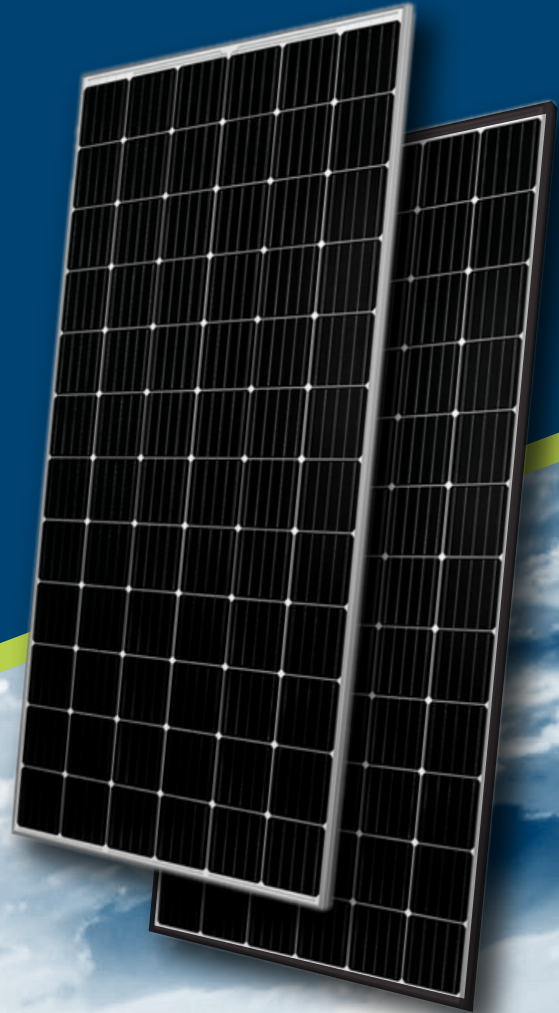


MS  **Energy**

SERIES
MSEA

355-370 WATT



True Source
of **Energy**

AUSTRALIAN MADE

FULLY AUTOMATED & LARGEST MANUFACTURING FACILITY IN AUSTRALIA



Crystalline Silicon
PV Modules
Type Testing

- ▶ IEC 61215-1: 2016
- ▶ IEC 61215-1-1: 2016
- ▶ IEC 61215-2: 2016
- ▶ IEC 61730-1: 2016
- ▶ IEC 61730-2: 2016
- ▶ EN 61215-1: 2016
- ▶ EN 61215-1-1: 2016
- ▶ EN 61215-2: 2017
- ▶ EN IEC 61730-1: 2018
- ▶ EN IEC 61730-2: 2018
- ▶ Periodically Factory Inspection as per CIG 021-024

www.dekra-seal.com



Our Approach We believe high quality solar power should be produced locally at globally competitive pricing.

Meticulous manufacturing, testing and quality assurance standards, DEKRA certified according to IEC standards and developed QMS system ensures consistent quality and traceability.

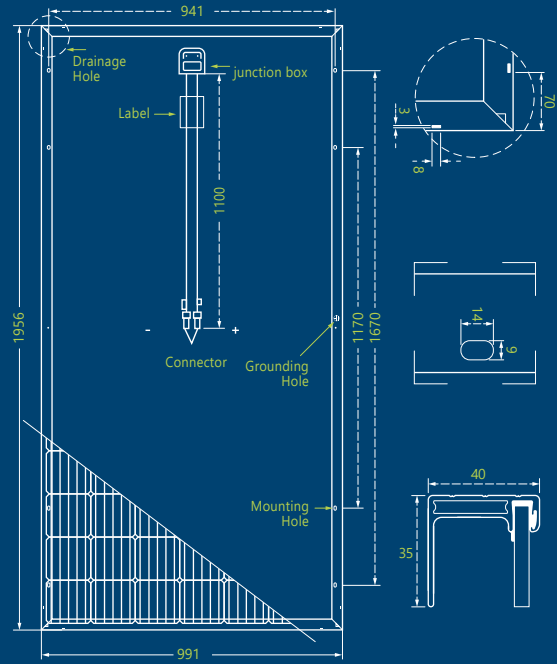
Our Quality

- 2400 pa wind & 5400 pa mechanical loads
- High temperature operation
- Easy module replacement
- PID , Salt mist and ammonia corrosion resistant
- Quality control and traceability by stringent QMS system
- 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 pass fire class C performance per UL790



Module Design

Cells Type	Mono 156.75×156.75mm
Weight	22.5kg
Dimension	1956×991×40mm
Output Cables	TUV, Length 1100mm, 4.0mm ²
No.of Cells	72 (6×12)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	QC4
Packing	30pcs/pallet, 336pcs/20GP, 792pcs/40HQ



**AUSTRALIAN
QUALITY THAT
YOU CAN TRUST**

Modules	MSEA72-355W		MSEA72-360W		MSEA72-365W		MSEA72-370W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	355W	266W	360W	270W	365W	274W	370W	278W
Open-circuit Voltage (Voc)	47.0V	44.1V	47.2V	44.4V	47.4V	44.7V	47.6V	45.0V
Maximum Power Voltage (Vmp)	38.8V	36.0V	38.9V	36.3V	39.1V	36.6V	39.3V	36.9V
Short-circuit Current (Isc)	9.69A	7.81A	9.76A	7.86A	9.82A	7.92A	9.91A	7.98A
Maximum Power Current (Imp)	9.15A	7.37A	9.26A	7.44A	9.34A	7.49A	9.42A	7.54A
Module Efficiency (%)	19.40%		19.55%		19.80%		20.02%	
Operating Temperature (°C)	-40 ~ +85°C							
Maximum System Voltage	1500V DC							
Maximum Series Fuse Rating	20A							
Power Tolerance	0~+5W							
Tolerance of rating Pmax/Isc/Voc%	3/4/4							

NOCT : Irradiance 800w/m², Cell temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

STC : Irradiance 1000w/m², Cell temperature 25°C, Spectrum AM1.5

TEMPERATURE RATINGS

Nominal Operating Cell Temp	45°C ±2°C
Tempcoefficient of Pmax	-0.37%/°C
Tempcoefficient of Voc	-0.29%/°C
Tempcoefficient of Isc	0.05%/°C

MAXIMUM RATINGS

Operational Temp	-40 to +85°C
Max system Voltage	1500V DC (IEC)
Max Series Fuse Rating	20A
Mechanical Load	5400pa

PERFORMANCE WARRANTY

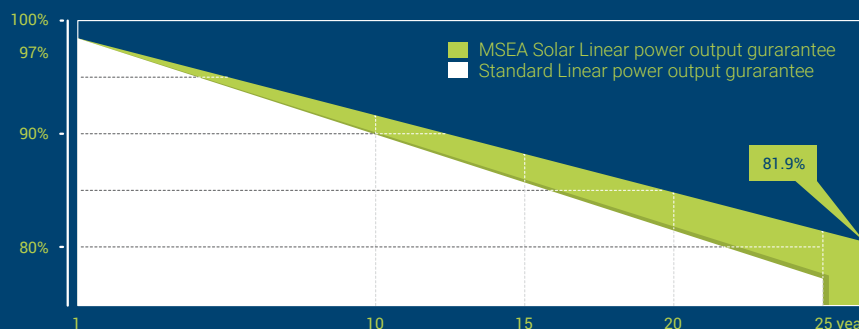
Max power degradation	0.5%/year
	97% at the end of first year
	90% at the end of 10th year
	80% at the end of 25th year

20
YEAR

PRODUCT WARRANTY

25
YEAR

PERFORMANCE WARRANTY



20.02%
Max Module Eff.


0~+5W
Positive Tolerance



Made In Australia

CONTACT US

For any enquiries, mail us at
support@msquareenergy.com.au

 1800 336 786 | +61 286073354

 96-100 Toongabbie Rd
Girraween NSW Australia 2145

For more details, visit msquareenergy.com.au