



True Source of Energy

AUSTRALIAN MADE

Fully Automated & Largest Manufacturing Facility in Australia



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.

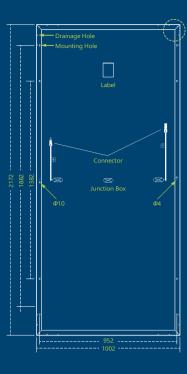
Our Quality

2400 pa wind & 5400 pa mechanical loads High temperatureoperation Easy module replacement 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 158.75×79.375mm
Weight	24.8kg
Dimension	2172×1002×40mm
Output Cables	4.0mm ² ; Portrait: N 400mm/P 300mm,
	(Cable length can be customized)
No.of Cells	156(6×26)
Glass	3.2 mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	QC Solar (Suzhou) Corporation(QC4.10-35)
Packing	27pcs/pallet, 270pcs/20GP, 580pcs/40HQ











Modules	MSEA-43	5W-MH78		MSEA-440W-MH78		MSEA-455W-MH78	
	STC	NOCT		STC	NOCT	STC	NOCT
Maximum Power (Pmax)	435W	328W		440W	332W	455W	336W
Open-circuit Voltage (Voc)	52.9V	51.2V		53.1V	51.4V	53.7V	51.6V
MaximumPowerVoltage(Vmp)	45.3V	42.9V		45.6V	43.1V	45.8V	43.3V
Short-circuit Current (Isc)	10.30A	8.21A		10.37A	8.24A	10.54A	8.29A
MaximumPowerCurrent(Imp)	9.61A	7.65A		9.65A	7.70A	9.72A	7.76A
Module Efficiency (%)	20.3	5%		20.4	-2%	20.6	0%
Operating Temperature (°C)	-40 ~ +85° C						
Maximum System Voltage	1500V DC						
Maximum Series Fuse Rating							
Tolerance of rating Pmax/lsc/Voc%	±3%/±3%/						

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

Serial number having prefix: MSEA is Made in Australia

Serial number having prefix: MSEC is Made in China

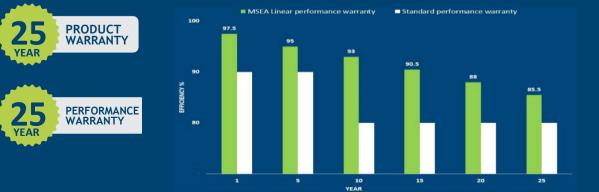
TEMPERATURE RATINGS

	XIMU		
MA	AIMU	INK	IG.
			 -

Nominal Operating Cell Temp	45°C ±2°C	Operational Temp	-40 to +85°C
Tempcoefficient of Pmax	-0.37%/°C	Max system Voltage	1500V DC (IEC)
Tempcoefficientof Voc	-0.29%/°C	Max Series Fuse Rating	20A
Tempcoefficient of Isc	0.05%/°C	Mechanical Load	5400pa

PERFORMANCE WARRANTY

Max power degradation 0.5%/year 97.5% at the end of first year 93% at the end of 10th year 85.5% at the end of 25th year



20.60% Max Module Eff.

0~+5W Positive Tolerance





Made In Australia

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