

SERIES
MSEA

295-310 WATT



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.

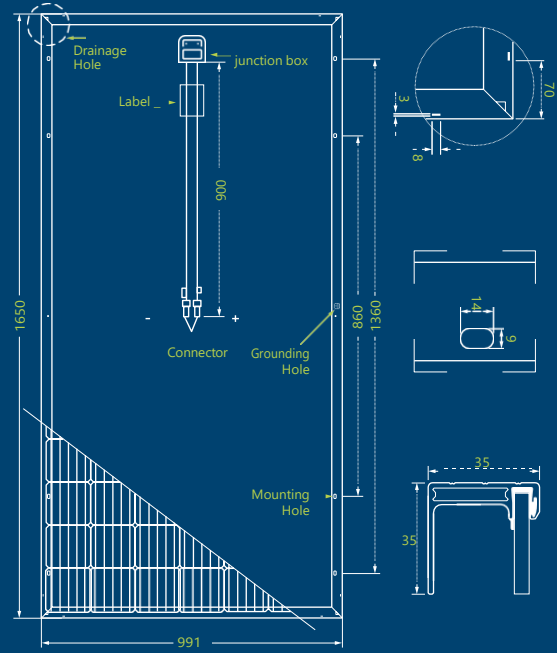
Our Quality

- 2400 pa wind & 5400 pa mechanical loads
- High temperature operation
- 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 156.75×156.75mm
Weight 18.5kg
Dimension 1650×991×35mm (L×W×T)
Output Cables TUV, Length 900mm, 4.0mm²
No. of Cells 60 (6×10)
Glass 3.2mm High Transmission, Antireflection Coating
Junction box IP68, 3 Bypass Diodes
Connector QC Solar (Suzhou) Corporation(QC4.10-35)
Packing 30pcs/pallet, 400pcs/20GP, 924pcs/40HQ



Modules	MSEA60-295W		MSEA60-300W		MSEA60-305W		MSEA60-310W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	295W	220W	300W	224W	305W	227W	310W	231W
Open-circuit Voltage (Voc)	39.7V	36.9V	39.9V	37.1V	40.2V	37.2V	40.4V	37.5V
Maximum Power Voltage (Vmp)	32.5V	30.0V	32.7V	30.2V	32.9V	30.5V	33.1V	30.6V
Short-circuit Current (Isc)	9.55A	7.73A	9.64A	7.78A	9.72A	7.84A	9.81A	7.93A
Maximum Power Current (Imp)	9.08A	7.33A	9.19A	7.41A	9.28A	7.47A	9.37A	7.55A
Module Efficiency (%)	18.85%		18.95%		19.05%		19.15%	
Operating Temperature (°C)	-40 ~ +85°C							
Maximum System Voltage	1500V DC							
Maximum Series Fuse Rating	16A							
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

Serial number having prefix: MSEA is Made in Australia

Serial number having prefix: MSEC is Made in China

TEMPERATURE RATINGS

Nominal Operating CellTemp	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	16A
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



19.15%
Max Module Eff.

0~+5W
Positive Tolerance



Made In Australia

CONTACT US

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