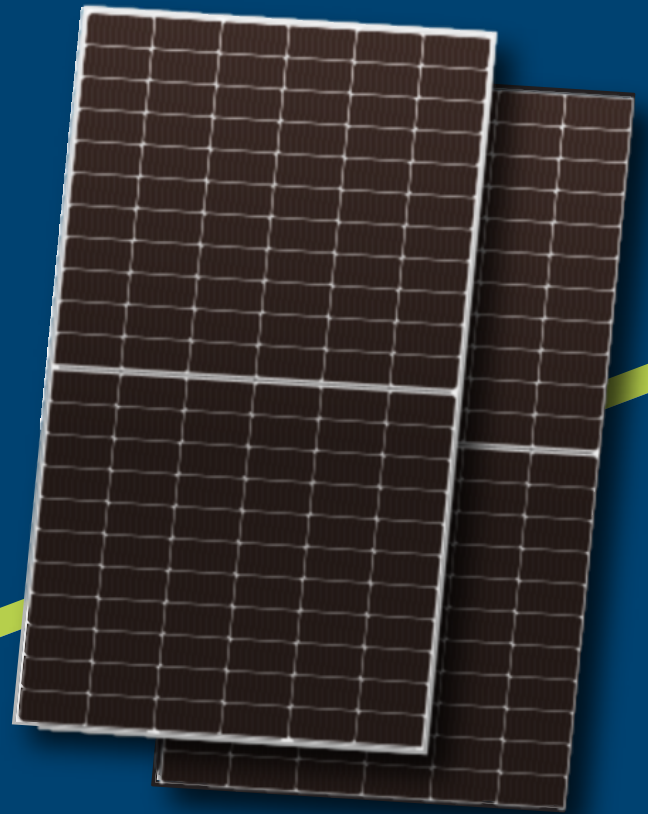


SERIES

MSEA

66M10

475-505 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.

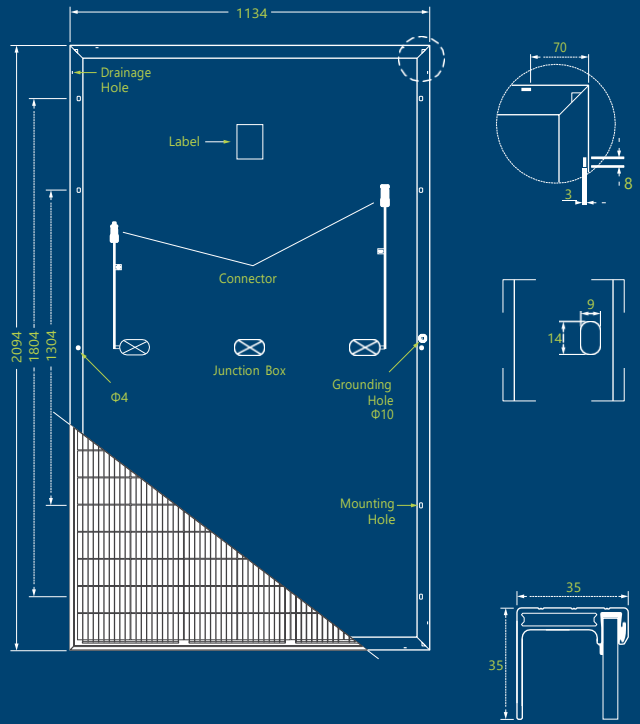
Our Quality

- 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 182×91mm
- Weight** 26.5kg
- Dimension** 2094×1134×35mm(L×W×T)
- Cables** 4.0mm², Portrait: 300mm(+)/400mm(-)
Landscape: 1400mm(+)/1400mm(-)
- No. of Cells** 132 (6×22)
- Glass** 3.2mm High Transmission, Antireflection Coating
- Junction box** IP68, 3 Bypass Diodes
- Connector** QC Solar (Suzhou) Corporation(QC4.10-35) OR
Staubli Electrical Connector AG(PV -KST4-EVO2/xy_U R;
PV-KBT4-EVO2/xy_UR)
- Packing** 31pcs/pallet, 682pcs/40HQ



**AUSTRALIAN
QUALITY THAT
YOU CAN TRUST**

Modules

	MSEA66M10-475W		MSEA66M10-480W		MSEA66M10-485W		MSEA66M10-490W		MSEA66M10-495W		MSEA66M10-500W		MSEA66M10-505W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	475W	320W	480W	324W	485W	327W	490W	331W	495W	335W	500W	339W	505W	342W
Open-circuit Voltage (Voc)	44.8V	38.3V	45.0V	38.5V	45.2V	38.6V	45.4V	38.8V	45.6V	39.0V	45.8V	39.2V	46.0V	39.4V
Maximum Power Voltage (Vmp)	37.6V	32.0V	37.9V	32.2V	38.1V	32.4V	38.3V	32.6V	38.5V	32.8V	38.7V	33.0V	38.9V	33.3V
Short-circuit Current (Isc)	13.48A	10.84A	13.54A	10.89A	13.60A	10.94A	13.66A	10.99A	13.72A	11.04A	13.78A	11.09A	13.84A	11.13A
Maximum Power Current (Imp)	12.62A	10.01A	12.68A	10.06A	12.74A	10.11A	12.80A	10.15A	12.86A	10.20A	12.91A	10.24A	12.97A	10.29A
Module Efficiency (%)	20.00%		20.21%		20.42%		20.64%		20.85%		21.06%		21.27%	
Operating Temperature (°C)	-40°C ~ +85°C													
Maximum System Voltage	1500VDC													
Maximum Series Fuse Rating	20A													
Power Tolerance	0~+5W													
Tolerance of rating Pmax/Isc/Voc%	±3/±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

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	1500VDC (IEC)
Max Series Fuse Rating	20A
Mechanical Load	5400pa

PERFORMANCE WARRANTY

Max power degradation 0.5%/year
97.5% at the end of first year
92.5% at the end of 10th year
83.5% at the end of 25th year



21.27 %
Max Module Eff.

0~+5W
Positive Tolerance



MADE IN AUSTRALIA

CONTACT US

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