

SERIES VISSEA 435-455 WATT

True Source of Engly



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.

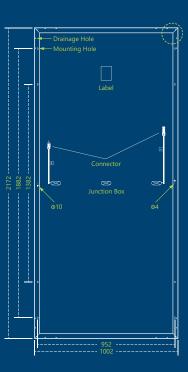
Our Quality

2400 pa wind & 5400 pa mechanical loads High temperature operation Easy module replacement 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 158.75×79.375mm |
|---------------|--|
| Weight | 24.8kg |
| Dimension | 2172×1002×40mm |
| Output Cables | 4.0mm²; 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 | QC4 or MC4 Compatible |
| Packing | 27pcs/pallet, 270pcs/20GP, 580pcs/40HQ |
| | |











| Modules | MSEA-435W-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 |
| Maximum Power Voltage (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 |
| Maximum Power Current (Imp) | 9.61A | 7.65A | 9.65A | 7.70A | 9.72A | 7.76A |
| Module Efficiency (%) | 20.35% | | 20.42% | | 20.60% | |
| 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% | 3/3/3 | | | | | |

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

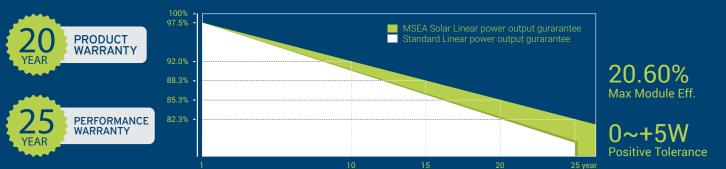
| Nominal Operating Cell Temp | 45°C ±2°C |
|-----------------------------|-----------|
| Tempcoefficient of Pmax | -0.37%/°C |
| Tempcoefficientof Voc | -0.29%/°C |
| Tempcoefficient of Isc | 0.05%/°C |

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 97.5% at the end of first year 92.0% at the end of 10th year 82.3% at the end of 25th year





MADE IN AUSTRALIA

CONTACT US

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