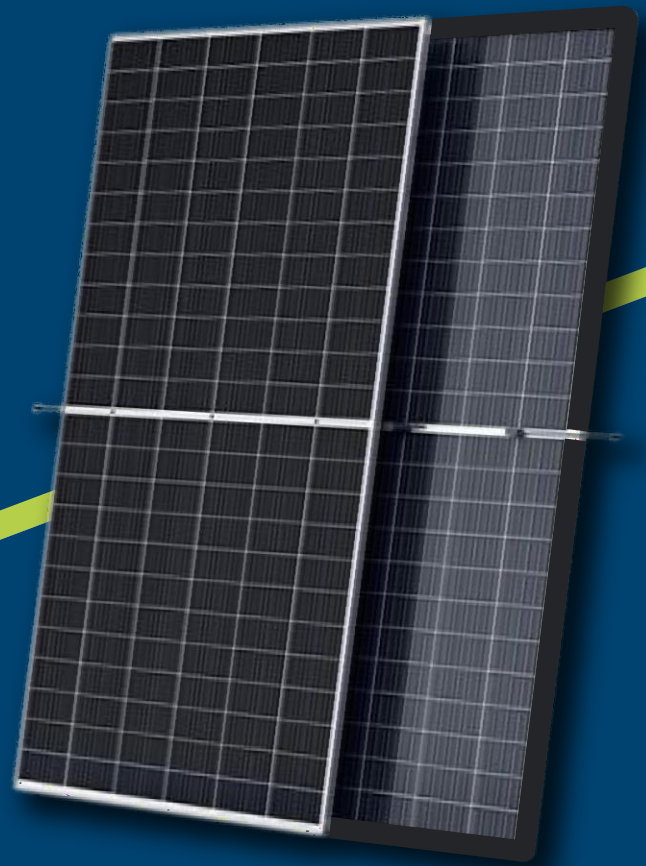


SERIES  
**MSEA**

385-395 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



**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.

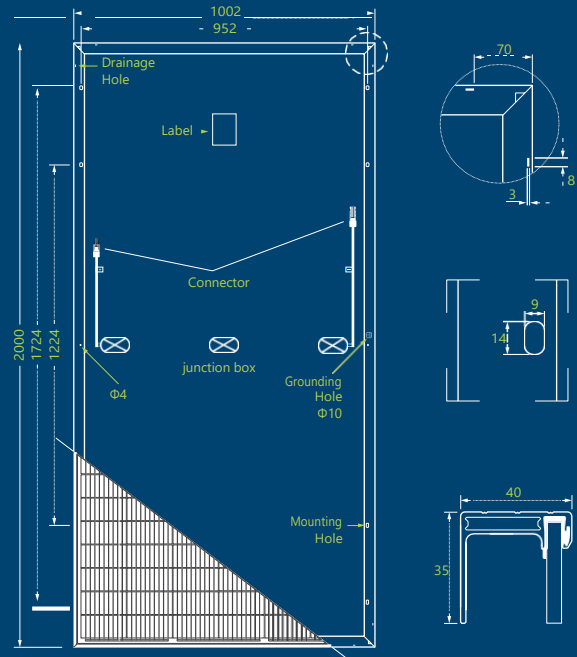
## Our Quality

- 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 158.75×79.375mm
- Weight** 21.7kg
- Dimension** 2000×1002×40mm (L×W×T)
- Output Cables** 4.0mm<sup>2</sup>; Portrait: N 400mm/P 300mm, Landscape: N 1400mm/P 1400mm
- No. of Cells** 144 (6×24)
- Glass** 3.2 mm High Transmission, Antireflection Coating
- Junction box** IP68, 3 Bypass Diodes
- Connector** QC Solar (Suzhou) Corporation(QC4.10-35)
- Packing** 31pcs/pallet, 310pcs/20GP, 726pcs/40HQ



## Modules

	MSEA-385W-MH72		MSEA-390W-MH72		MSEA-395W-MH72	
	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	385W	284W	390W	289W	395W	294W
Open-circuit Voltage (Voc)	48.4V	47.2V	48.6V	47.3V	48.8V	47.4V
Maximum Power Voltage (Vmp)	39.3V	39.6V	39.4V	39.7V	39.5V	39.8V
Short-circuit Current (Isc)	10.21A	8.16A	10.24A	8.18A	10.27A	8.20A
Maximum Power Current (Imp)	8.0A	7.56A	8.4A	7.59A	8.8A	7.62A
Module Efficiency (%)	20.2%		20.27%		20.31%	
Operating Temperature (°C)	-40 ~ +85°C					
Maximum System Voltage	1500VDC					
Maximum Series Fuse Rating	20A					
Tolerance of rating	±3%/±3%/±3%					
Pmax/Isc/Voc%						

NOCT : Irradiance 800w/m<sup>2</sup>, Cell temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

STC : Irradiance 1000w/m<sup>2</sup>, 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

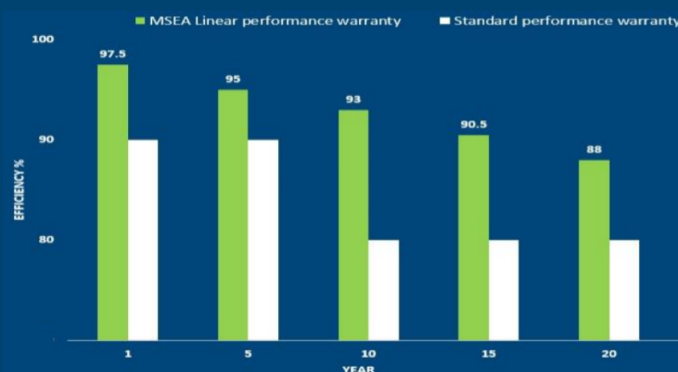
Nominal Operating Cell Temp	45°C ±2°C
Tempcoefficient of Pmax	-0.37%/°C
Tempcoefficient of Voc	-0.29%/°C
Tempcoefficient of Isc	0.05%/°C

## 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  
 97.5% at the end of first year  
 93% at the end of 10th year  
 85.5% at the end of 25th year



**20.31%**  
Max Module Eff.

**0~+5W**  
Positive Tolerance



Made In Australia

## CONTACT US

# MSquare Energy Pty Ltd

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