

# OpalSolar

Mining Sunshine

## OSM250P6-60-S | OSM255P6-60-S | OSM260P6-60-S MULTICRYSTALLINE SILICON MODULE

### Key Features



Multicrystalline modules designed for residential, commercial and utility applications - rooftop or ground mount



High output, 16.21% highest conversion efficiency



Designed for IEC DC 1000V applications



Anti-reflective and anti-soiling surface reduces power loss from dirt and dust



Outstanding performance in low-light irradiance environments



Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)

### Energy is precious

We named our panel after an Australian Precious Gem. Designed by Australians, for Australian Conditions.

The Opal Solar Panel was introduced in 2014, backed by one of the largest solar companies in Australia.

Opal Solar has quickly become one of the leading panels sold in Australia. Opal Solar are produced by ISO 9001 and ISO 14001 certified production facilities.

Back to back warranty agreements are in place to provide peace of mind. At Opal Solar we see our solar panels as a tool to mine the sun, hence our company slogan is "Mining Sunshine"

For more information, please visit:

[www.opalsolar.com.au](http://www.opalsolar.com.au)

### Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defect-free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

### Comprehensive Certificates

- IEC 61215, IEC 61730, CEC Listed and CE
- ISO 9001: 2008: Quality management systems
- ISO 14001: 2004: Environmental management systems
- BS OHSAS 18001 : 2007 Occupational health and safety management systems

### CEC Approved

**Certificate Holder: Solar Juice Pty Ltd**

Model number:

OSM250P6-60-S

OSM255P6-60-S

OSM260P6-60-S

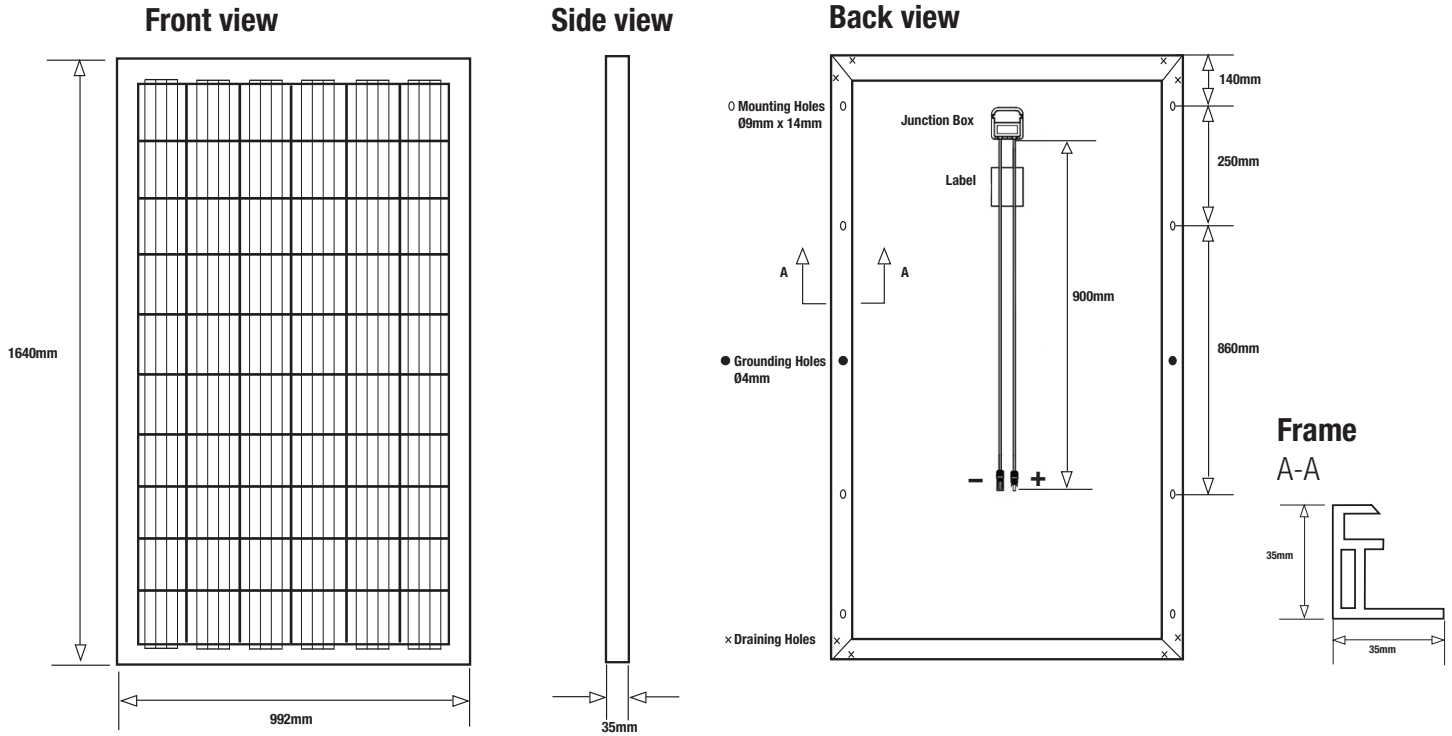


OpalSolar

Official Solar Energy Partner

Specifications subject to technical changes and tests. Opal Solar reserves the right of final interpretation.

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## MECHANICAL PARAMETERS

Cell(mm)	Poly 156x156
Weight(kg)	18.5
Dimensions (LxWxH) (mm)	1640x992x35
No. of Cells and Connections	60 (6x10)
Frame Colour	Silver
Junction Box	IP67
Packaging Configuration	30 Per Pallet

## WORKING CONDITIONS

Maximum System Voltage	DC 1000V (IEC)
Operating Temperature	-40 °C ~+ 85°C
NOCT	47 ± 2°C

## TEMPERATURE COEFFICIENTS

Temp. Coefficient - Power ( $\alpha$ P <sub>m</sub> )	-0.48%/°C
Temp. Coefficient - Open Circuit Current ( $\beta$ V <sub>oc</sub> )	-0.33%/°C
Temp. Coefficient - Short Circuit Current ( $\gamma$ I <sub>sc</sub> )	+0.02%/°C

## ELECTRICAL PARAMETERS

	250W	255W	260W
Nominal Maximum Power (P <sub>m</sub> )	250W	255W	260W
Optimum Operating Voltage (V <sub>mp</sub> )	29.6V	29.8V	30.0V
Optimum Operating Current (I <sub>mp</sub> )	8.45A	8.56A	8.67A
Open Circuit Voltage (V <sub>oc</sub> )	37.9V	38.1V	38.4V
Short Circuit Current (I <sub>sc</sub> )	9.13A	9.25A	9.36A
Module Efficiency	15.37%	15.67%	15.98%
Power Tolerance	0~+5W		

STC: Irradiance 1000W/m<sup>2</sup>, Temperature 25°C, AM=1.5

Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

