

# OpalSolar

Mining Sunshine



## OSR-60P Series

MULTICRYSTALLINE SILICON MODULE

### Key Features



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



Up to 16.2% module efficiency



Excellent low irradiance performance



Positive power tolerance: 0 ~ +4.99W



12 year product warranty



Designed for IEC DC 1000V applications



Triple stage 100% EL inspection warranting defect-free product



Module Imp binning radically reduces string mismatch losses



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



Industry-leading lowest thermal co-efficient of Power

### Energy is precious

OPAL Solar is a premium product made by Tier 1 manufacturer on the basis of the local support, independent quality control, independent factory acceptance testing and technical support in Australia.

OPAL Solar is locally supported through Solar Juice Pty Ltd, the leading supplier of PV products in the Australian market. As a majority owned entity of Nasdaq listed Solar Power Inc. (NASDAQ:SPI), you can be assured that it is a trusted brand that does not compromise on quality.

The panels are produced by ISO 9001 and ISO 14001 certified production facilities. Back to back warranty agreements are in place to provide peace of mind.

For more information, please visit:

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



OpalSolar

Official Solar Energy Partner

### Comprehensive Certificates

#### Certificates

IEC 61215, IEC 61730

#### Manufacturing Under

ISO 9001: 2008: Quality management systems

ISO 14001: 2004: Environmental management systems

#### CEC Approved

**Certificate Holder: Solar Juice Pty Ltd**

Model number:

OSR255P-60-S

OSR260P-60-S

OSR265P-60-S

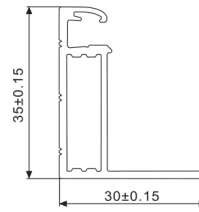
OSR270P-60-S



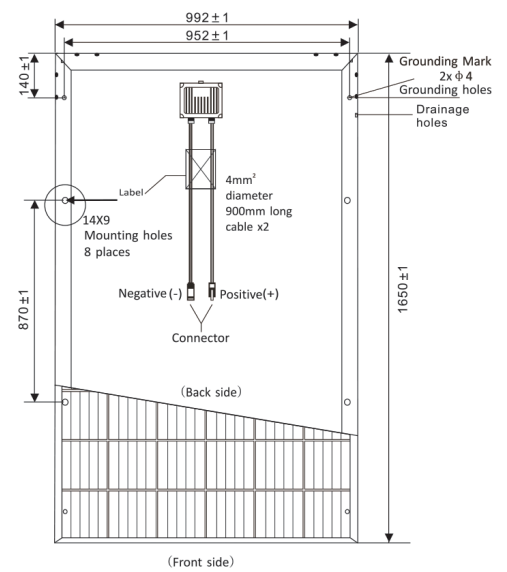
Specifications subject to technical changes and tests. Opal Solar reserves the right of final interpretation.

### MECHANICAL PARAMETERS

Cell(mm)	Poly 156x156
Weight(kg)	18 (approx.)
Dimensions (LxWxH) (mm)	1650x992x35mm
No. of Cells and Connections	60 (6x10)
Frame Colour	Silver
Junction Box/ Output Connectors	IP67-Twinsel/ Model: PV-SY01
Packaging Configuration	30 Per Pallet



### Dimension of PV Modules Unit: mm



### WORKING CONDITIONS

Maximum System Voltage	DC 1000V (IEC)
Operating Temperature	-40 °C ~+ 85°C
NOCT	45 ± 2°C
Limiting Reverse Current	15A
Max. Static Load Front (e.g. snow)	5400Pa
Max. Static Load Back (e.g. wind)	2400Pa
Max. Hailstone Impact (diameter/velocity)	25mm/23m/s
Power Tolerance	0/+4.99W

### TEMPERATURE COEFFICIENTS

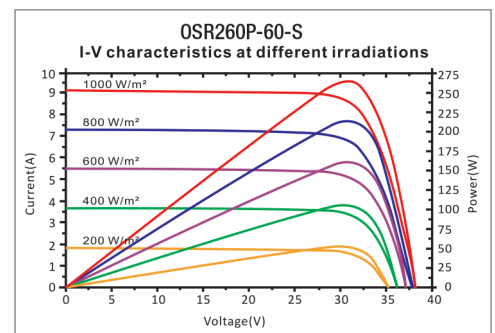
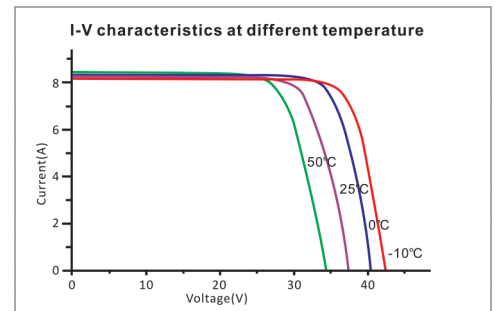
Temperature Coefficient of Isc	0.05% / °C
Temperature Coefficient of Voc	-0.32% / °C
Temperature Coefficient of Pmax	-0.39% / °C

### ELECTRICAL PARAMETERS (STC)

Model Number	OSR255P-60-S	OSR260P-60-S	OSR265P-60-S	OSR270P-60-S
Rated Power in Watts-Pmax(Wp)	<b>255</b>	<b>260</b>	<b>265</b>	<b>270</b>
Open Circuit Voltage-Voc(V)	37.6	37.8	38.0	38.2
Short Circuit Current-Isc(A)	8.96	9.04	9.12	9.20
Maximum Power Voltage-Vmpp(V)	30.3	30.6	30.9	31.2
Maximum Power Current-Impp(A)	8.42	8.50	8.58	8.66
Module Efficiency	15.6	15.9	16.5	16.5

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

### I-V CURVE(260W)



### ELECTRICAL PARAMETERS(NOCT)

Model Number	OSR255P-60-S	OSR260P-60-S	OSR265P-60-S	OSR270P-60-S
Maximum Power-Pmax (Wp)	190	194	197	201
Open Circuit Voltage-Voc (V)	35.0	35.2	35.3	35.5
Short Circuit Current-Isc (A)	7.25	7.31	7.38	7.44
Maximum Power Voltage-Vmpp (V)	28.0	28.1	28.3	28.40
Maximum Power Current-Impp (A)	6.79	6.89	6.98	7.08

STC: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s