

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



Positive power tolerance: 0 ~ 4.99W



12 year product warranty



Designed for IEC DC 1000V applications

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. 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.

The sunlight striking the Earth's surface in just one hour, delivers enough energy to power the world economy for one year.

Thus, our slogan is mining sunshine. For more information, please visit:

www.opalsolar.com.au

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:

OSR250P-60-S

OSR255P-60-S

OSR260P-60-S

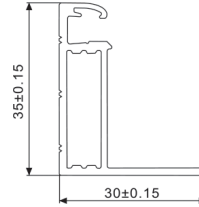
OSR265P-60-S



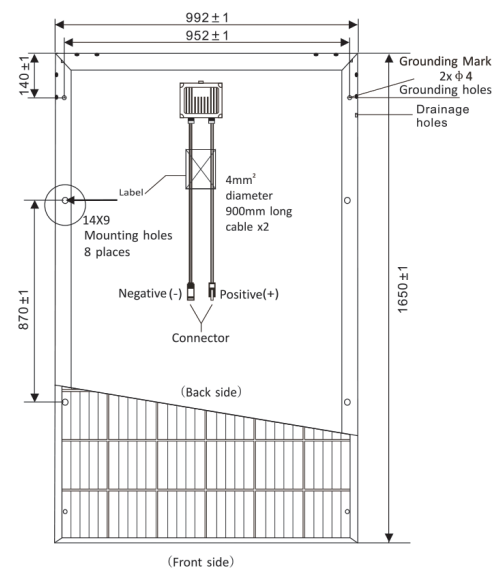
Specifications subject to technical changes and tests. Opal Solar reserves the right of final interpretation.

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	OSR250P-60-S	OSR255P-60-S	OSR260P-60-S	OSR265P-60-S
Rated Power in Watts-Pmax(Wp)	250	255	260	265
Open Circuit Voltage-Voc(V)	37.4	37.6	37.8	38.0
Short Circuit Current-Isc(A)	8.88	8.96	9.04	9.12
Maximum Power Voltage-Vmpp(V)	30.0	30.3	30.6	30.9
Maximum Power Current-Impp(A)	8.34	8.42	8.50	8.58
Module Efficiency	15.3	15.6	15.9	16.5

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

ELECTRICAL PARAMETERS(NOCT)

Model Number	OSR250P-60-S	OSR255P-60-S	OSR260P-60-S	OSR265P-60-S
Maximum Power-Pmax (Wp)	186	190	194	197
Open Circuit Voltage-Voc (V)	34.8	35.0	35.2	35.3
Short Circuit Current-Isc (A)	7.18	7.25	7.31	7.38
Maximum Power Voltage-Vmpp (V)	27.8	28.0	28.1	28.3
Maximum Power Current-Impp (A)	6.69	6.79	6.89	6.98

NOCT: Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s
Power production tolerance ±3%

I-V CURVE(260W)

