

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.

For more information, please visit:

www.opalsolar.com.au



HEAD OFFICE

Solar Juice Pty Ltd

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OpalSolar

QSA-60M Series MONOCRYSTALLINE PERC MODULE

Key Features



Up To 18.4 Module Efficiency



Monocrystalline Modules Designed For Residential, Commercial And Utility Applications - Rooftop Or Ground Mount



Positive Power Tolerance: 0 ~+5W



10 Year Product Warranty



Designed For IEC DC 1000V Applications

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:

QSA285M-60-S

QSA290M-60-S

QSA295M-60-S

QSA300M-60-S





scan the QR code or visit www.opalsolar.com.au



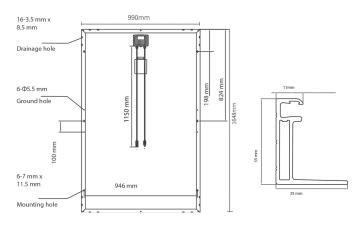




MECHANICAL PARAMETERS Cell Monocrystalline Weight(kg) 18.3kg (Pallet: 616kg) Dimensions (LxWxH) (mm) 1648x990x35 No. of Cells and Connections 60 (60x10) Frame Aluminium, Silver Anodized Junction Box/ Output Connectors IP67, MC4 Genuine Cable Length(mm) 1150

31 Modules per Pallet

OpalS	olar
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Maximum System Voltage 1000Vdc **Operating Temperature** -40 °C ~+ 85°C 46±2 °C

3.2

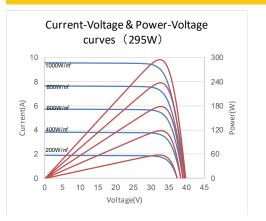
Front Glass Thickness(mm)

WORKING CONDITIONS

Packaging Configuration

NOCT Power Tolerance 0/+5 WpMechanical Loading 5400Pa Max. Fuse Current Rating 15A Temperature Coefficient of Isc +0.042%/°C Temperature Coefficient of Voc -0.284%/°C Temperature Coefficient of Pmax -0.380%/°C

I-V CURVE



ELECTRICAL PARAMETERS (STC)						
Model Number	QSA285M-60-S	QSA290M-60-S	QSA295M-60-S	QSA300M-60-S		
Rated Power in Watts-Pmax (Wp)	285	290	295	300		
Open Circuit Voltage-Voc (V)	39.15	39.45	39.81	39.90		
Short Circuit Current-Isc (A)	9.46	9.54	9.59	9.68		
Maximum Power Voltage-Vmpp (V)	31.80	32.15	32.38	32.59		
Maximum Power Current-Impp (A)	8.97	9.03	9.12	9.21		
Module Efficiency	17.5%	17.8%	18.1%	18.4%		

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

ELECTRICAL PARAMETERS (NOCT)						
Model Number	QSA285M-60-S	QSA290M-60-S	QSA295M-60-S	QSA300M-60-S		
Maximum Power-Pmax (Wp)	209.4	213.1	216.8	220.5		
Open Circuit Voltage-Voc (V)	36.32	36.60	36.93	37.01		
Short Circuit Current-Isc (A)	7.61	7.67	7.71	7.79		
Maximum Power Voltage-Vmpp (V)	29.27	29.58	29.79	30.00		
Maximum Power Current-Impp (A)	7.16	7.20	7.28	7.35		

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