OpalSolar

QSA-72P Series

MULTICRYSTALLINE SILICON MODULE

Key Features

- Up To 17.3% Module Efficiency
- Multicrystalline Modules Designed For Residential, Commercial And Utility Applications - Rooftop Or Ground Mount
- 12 Year Product Warranty
- IEC 1000V Designed For IEC DC 1000V Applications

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

COMPREHENSIVE CERTIFICATES

Certificates
IEC 61215: 2016
IEC 61730: 2016

Manufacturing Under
ISO 9001: 2008: Quality management systems
ISO 14001: 2004: Environmental management systems

CEC APPROVED

Certificate Holder: Solar Juice Pty Ltd
Model number:
QSA320P-72-S
QSA325P-72-S
QSA330P-72-S
QSA335P-72-S

HEAD OFFICE

Solar Juice Pty Ltd
Unit 1, 10-12 Forsyth Close
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solarjuice.com.au

TÜVRheinland CERTIFIED
IEC 61215
IEC 61730
Regular Production Surveillance
www.tuv.com
ID: 1419057001

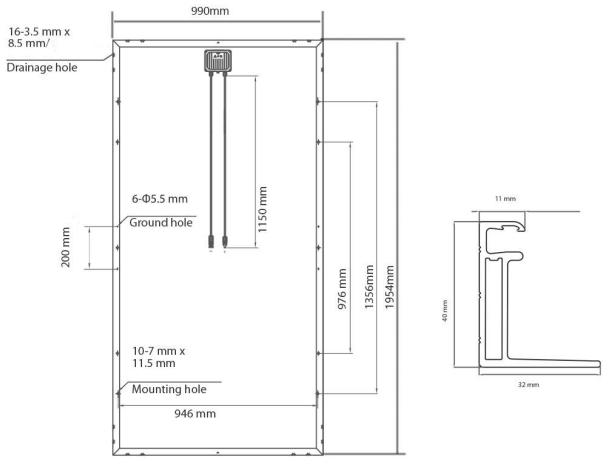
For more information, please scan the QR code or visit
www.opalsolar.com.au

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

MECHANICAL PARAMETERS

Cell(mm)	Polycrystalline
Weight(kg)	21.8kg
Dimensions (LxWxH) (mm)	1954x990x40
No. of Cells and Connections	72(6x12)
Frame	Aluminium, Silver Anodized
Junction Box/ Output Connectors	IP67/ HCB40
Cable Length	1150mm
Front Glass Thickness(mm)	3.2mm
Packaging Configuration	27 Modules per Pallet

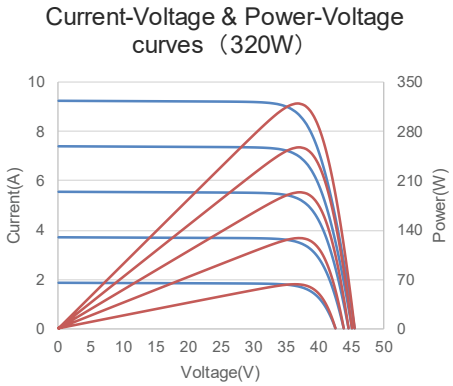
ENGINEERING DRAWINGS



WORKING CONDITIONS

Maximum System Voltage	1000Vdc
Operating Temperature	-40 °C ~+ 85°C
NOCT	46±2°C
Power Sorting	±3%
Mechanical Loading	5400 Pa
Max. Fuse Current Rating	15A
Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.311%/°C
Temperature Coefficient of Pmax	-0.408%/°C

I-V CURVE



ELECTRICAL PARAMETERS (STC)

Model Number	QSA320P-72-S	QSA325P-72-S	QSA330P-72-S	QSA335P-72-S
Rated Power in Watts-Pmax (Wp)	**320**	**325**	**330**	**335**
Open Circuit Voltage-Voc (V)	45.45	45.67	45.86	45.98
Short Circuit Current-Isc (A)	9.25	9.48	9.52	9.57
Maximum Power Voltage-Vmpp (V)	37.02	37.11	37.15	37.26
Maximum Power Current-Impp (A)	8.65	8.77	8.89	9.00
Module Efficiency	16.5%	16.8%	17.1%	17.3%

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

ELECTRICAL PARAMETERS (NOCT)

Model Number	QSA320P-72-S	QSA325P-72-S	QSA330P-72-S	QSA335P-72-S
Maximum Power-Pmax (Wp)	223.5	226.9	230.4	233.9
Open Circuit Voltage-Voc (V)	41.70	41.91	42.08	42.19
Short Circuit Current-Isc (A)	7.15	7.33	7.37	7.40
Maximum Power Voltage-Vmpp (V)	33.80	33.86	33.92	34.01
Maximum Power Current-Impp (A)	6.61	6.70	6.79	6.88

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