Key Features

- Up To 17.2% Module Efficiency
- Multicrystalline 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:
QSA265P-72-S
QSA270P-72-S
QSA275P-72-S
QSA280P-72-S

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
**Maximum System Voltage**
1000Vdc

**Operating Temperature**
-40 °C ~ + 85°C

**NOCT**
43±2 °C

**Power Tolerance**
0/+5 Wp

**Mechanical Loading**
5400Pa

**Max. Fuse Current Rating**
15A

**Temperature Coefficient of Isc**
+0.049%/°C

**Temperature Coefficient of Voc**
-0.310%/°C

**Temperature Coefficient of Pmax**
-0.407%/°C

**WORKING CONDITIONS**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>QSA265P-60-S</th>
<th>QSA270P-60-S</th>
<th>QSA275P-60-S</th>
<th>QSA280P-60-S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Power in Watts-Pmax (Wp)</td>
<td>265</td>
<td>270</td>
<td>275</td>
<td>280</td>
</tr>
<tr>
<td>Open Circuit Voltage-Voc (V)</td>
<td>37.87</td>
<td>38.00</td>
<td>38.45</td>
<td>38.69</td>
</tr>
<tr>
<td>Short Circuit Current-Isc (A)</td>
<td>9.18</td>
<td>9.45</td>
<td>9.52</td>
<td>9.59</td>
</tr>
<tr>
<td>Maximum Power Voltage-Vmpp (V)</td>
<td>30.92</td>
<td>31.08</td>
<td>31.12</td>
<td>31.20</td>
</tr>
<tr>
<td>Maximum Power Current-Impp (A)</td>
<td>8.58</td>
<td>8.70</td>
<td>8.85</td>
<td>8.99</td>
</tr>
<tr>
<td>Module Efficiency</td>
<td>16.2%</td>
<td>16.5%</td>
<td>16.9%</td>
<td>17.2%</td>
</tr>
</tbody>
</table>

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

**ELECTRICAL PARAMETERS (NOCT)**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>QSA265P-60-S</th>
<th>QSA270P-60-S</th>
<th>QSA275P-60-S</th>
<th>QSA280P-60-S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power-Pmax (Wp)</td>
<td>198.8</td>
<td>202.5</td>
<td>206.3</td>
<td>210.0</td>
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<tr>
<td>Open Circuit Voltage-Voc (V)</td>
<td>34.60</td>
<td>34.71</td>
<td>35.13</td>
<td>35.35</td>
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<tr>
<td>Short Circuit Current-Isc (A)</td>
<td>7.73</td>
<td>7.96</td>
<td>8.02</td>
<td>8.08</td>
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<tr>
<td>Maximum Power Voltage-Vmpp (V)</td>
<td>27.98</td>
<td>28.12</td>
<td>28.15</td>
<td>28.22</td>
</tr>
<tr>
<td>Maximum Power Current-Impp (A)</td>
<td>7.10</td>
<td>7.20</td>
<td>7.33</td>
<td>7.44</td>
</tr>
</tbody>
</table>

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