The modules assembled with half cells not only generate more power output, but also perform better during daily operation as a result of lower temperature coefficient of power, along with reduced shading effect on the energy generation, lower risk of hot spot, and enhanced tolerance for mechanical loading.

**Superior Warranty**
- 12-year product warranty
- 25-year linear power output warranty

**Comprehensive Certificates**
- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2007 Occupational health and safety management systems
### OPERATING CONDITIONS

- **Maximum System Voltage**: 1500V DC (IEC)
- **Operating Temperature**: -40°C～+85°C
- **Maximum Series Fuse**: 20A
- **Maximum Static Load, Front**: 3600Pa
- **Maximum Static Load, Back**: 1600Pa
- **NOCT**: 45±2°C
- **Application Class**: Class A

### ELECTRICAL PARAMETERS AT NOCT

<table>
<thead>
<tr>
<th>TYPE</th>
<th>JAP60S03-270/SC</th>
<th>JAP60S03-275/SC</th>
<th>JAP60S03-280/SC</th>
<th>JAP60S03-285/SC</th>
<th>JAP60S03-290/SC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Max Power (Pmax) [W]</td>
<td>200</td>
<td>204</td>
<td>207</td>
<td>211</td>
<td>215</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>36.25</td>
<td>36.56</td>
<td>36.85</td>
<td>37.05</td>
<td>37.25</td>
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<tr>
<td>Maximum Power Voltage (Vmp) [V]</td>
<td>30.90</td>
<td>31.42</td>
<td>31.83</td>
<td>32.08</td>
<td>32.32</td>
</tr>
<tr>
<td>Short Circuit Current (Isc) [A]</td>
<td>7.27</td>
<td>7.33</td>
<td>7.40</td>
<td>7.49</td>
<td>7.57</td>
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<tr>
<td>Max Power Current (Imp) [A]</td>
<td>6.82</td>
<td>6.90</td>
<td>6.98</td>
<td>7.07</td>
<td>7.15</td>
</tr>
<tr>
<td>Module Efficiency [%]</td>
<td>16.2</td>
<td>16.5</td>
<td>16.8</td>
<td>17.1</td>
<td>17.4</td>
</tr>
</tbody>
</table>

### CHARACTERISTICS

- **Irradiance**: 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G