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.

### Introduction

- **Higher output power**
- **Lower temperature coefficient**
- **Less shading effect**
- **Better mechanical loading tolerance**

### 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**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Maximum Power (Pmax) [W]</td>
<td>330</td>
<td>335</td>
<td>340</td>
<td>345</td>
<td>350</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>45.54</td>
<td>45.73</td>
<td>45.89</td>
<td>46.07</td>
<td>46.27</td>
</tr>
<tr>
<td>Maximum Power Voltage (Vmp) [V]</td>
<td>37.72</td>
<td>37.90</td>
<td>38.08</td>
<td>38.25</td>
<td>38.43</td>
</tr>
<tr>
<td>Maximum Power Current (Imp) [A]</td>
<td>8.75</td>
<td>8.84</td>
<td>8.93</td>
<td>9.02</td>
<td>9.11</td>
</tr>
<tr>
<td>Module Efficiency [%]</td>
<td>16.4</td>
<td>16.7</td>
<td>16.9</td>
<td>17.2</td>
<td>17.4</td>
</tr>
</tbody>
</table>

**Measurement Tolerance at STC:** 
Pmax ± 3%, Voc ± 2%, Isc ± 4%.

**Operating Conditions**

- **Maximum System Voltage**: 1000V DC (IEC)
- **Operating Temperature**: -40°C ~ +85°C
- **Maximum Series Fuse**: 20A
- **Maximum Static Load, Front**: 3600Pa, 1.5
- **Maximum Static Load, Back**: 1600Pa, 1.5
- **NOCT**: 45±2°C
- **Application Class**: Class A

**ELECTRICAL PARAMETERS AT STC**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Maximum Power (Pmax) [W]</td>
<td>330</td>
<td>335</td>
<td>340</td>
<td>345</td>
<td>350</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>45.54</td>
<td>45.73</td>
<td>45.89</td>
<td>46.07</td>
<td>46.27</td>
</tr>
<tr>
<td>Maximum Power Voltage (Vmp) [V]</td>
<td>37.72</td>
<td>37.90</td>
<td>38.08</td>
<td>38.25</td>
<td>38.43</td>
</tr>
<tr>
<td>Maximum Power Current (Imp) [A]</td>
<td>8.75</td>
<td>8.84</td>
<td>8.93</td>
<td>9.02</td>
<td>9.11</td>
</tr>
<tr>
<td>Module Efficiency [%]</td>
<td>16.4</td>
<td>16.7</td>
<td>16.9</td>
<td>17.2</td>
<td>17.4</td>
</tr>
</tbody>
</table>

**Temperature Coefficients**

- **Temperature Coefficient of Isc(α_Isc)**: +0.054%/°C
- **Temperature Coefficient of Voc(β_Voc)**: -0.300%/°C
- **Temperature Coefficient of Pmax(γ_Pmp)**: -0.370%/°C

**STC**

- **Irradiance**: 1000W/m²
- **Cell Temperature**: 25°C
- **AM1.5G**

**Remark:** Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

**CHARACTERISTICS**

- **Current-Voltage Curve** JAP72S10-340/SC/1000V
- **Power-Voltage Curve** JAP72S10-340/SC/1000V
- **Current-Voltage Curve** JAP72S10-340/SC/1000V

**Premium Cells, Premium Modules**

Version No.: Global_EN_20200531A