Introduction

This time-tested legacy module series has been proven to be one of the powerful and most reliable products offered by JA Solar and the most popular choice by PV system installers and customers around the world.

Poly 280W Module
JAP60S01 260-280/SC Series

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

<table>
<thead>
<tr>
<th>Time (years)</th>
<th>Linear Power Output (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>100%</td>
</tr>
<tr>
<td>5</td>
<td>97.5%</td>
</tr>
<tr>
<td>10</td>
<td>90%</td>
</tr>
<tr>
<td>15</td>
<td>80%</td>
</tr>
<tr>
<td>20</td>
<td>50%</td>
</tr>
<tr>
<td>25</td>
<td>10%</td>
</tr>
</tbody>
</table>

Comprehensive Certificates
- IEC 61215, IEC 61730, UL 1703, IEC TS 62804, IEC 61701, IEC 62716, IEC 60068-2-68
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2007 Occupational health and safety management systems
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval

5 busbar solar cell design  Low cost
Anti-PID  Highly reliable due to strict quality control

5BB

Comprehensive Certificates

www.jasolar.com
Specifications subject to technical changes and tests.
JA Solar reserves the right of final interpretation.
### OPERATING CONDITIONS

- **Maximum System Voltage**: 1000V/1500V DC (IEC)
- **Operating Temperature**: -40°C ~ +85°C
- **Maximum Series Fuse**: 20A
- **Maximum Static Load, Front**: 5400Pa
- **Maximum Static Load, Back**: 2400Pa
- **NOCT**: 45±2°C
- **Application Class**: Class A

### ELECTRICAL PARAMETERS AT STC

<table>
<thead>
<tr>
<th>Type</th>
<th>JAP60S01 -260/SC</th>
<th>JAP60S01 -265/SC</th>
<th>JAP60S01 -270/SC</th>
<th>JAP60S01 -275/SC</th>
<th>JAP60S01 -280/SC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Maximum Power (Pmax) [W]</td>
<td>260</td>
<td>265</td>
<td>270</td>
<td>275</td>
<td>280</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>37.74</td>
<td>37.95</td>
<td>38.17</td>
<td>38.38</td>
<td>38.65</td>
</tr>
<tr>
<td>Maximum Power Voltage (Vmp) [V]</td>
<td>30.71</td>
<td>30.92</td>
<td>31.13</td>
<td>31.34</td>
<td>31.61</td>
</tr>
<tr>
<td>Maximum Power Current (Imp) [A]</td>
<td>8.47</td>
<td>8.57</td>
<td>8.67</td>
<td>8.77</td>
<td>8.86</td>
</tr>
<tr>
<td>Module Efficiency [%]</td>
<td>15.9</td>
<td>16.2</td>
<td>16.5</td>
<td>16.8</td>
<td>17.1</td>
</tr>
<tr>
<td>Power Tolerance</td>
<td>0~+5W</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature Coefficient of Isc (α_Isc)</td>
<td>+0.058%/°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature Coefficient of Voc (β_Voc)</td>
<td>-0.330%/°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature Coefficient of Pmax (γ_Pmp)</td>
<td>-0.400%/°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irradiance 1000W/m², cell temperature 25°C, AM1.5G</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ELECTRICAL PARAMETERS AT NOCT

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

### CHARACTERISTICS

- **Current-Voltage Curve**  
  JAP60S01-270/SC

- **Power-Voltage Curve**  
  JAP60S01-270/SC

- **Current-Voltage Curve**  
  JAP60S01-270/SC

### MECHANICAL DIAGRAMS

- Integrated junction box
- Split junction box

### SPECIFICATIONS

- **Cell**: Poly
- **Weight**: 18.2kg±3%
- **Dimensions**: 1650mm×911mm×35mm
- **Cable Cross Section Size**: 4mm²
- **No. of cells**: 60(6x10)
- **Junction Box**: IP67, 3 diodes
- **Connector**: MC4 Compatible(1000V) QC 4.10-35(1500V)
- **Packaging Configuration**: 30 Per Pallet

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.

Remark: customized frame color and cable length available upon request.