JA bifacial modules are assembled by high-performance PERCium cells and encapsulated by glass-glass panels, are capable of converting energy from incident lights on front and diffuse light, as well as reflected and scattered light on rear sides, which make them better reliability, superior low irradiance performance, and excellent energy generation performance.

- **3%~15%** more energy generation
- Superior low irradiance performance
- Excellent temperature dependent performance
- Lower LCOE

### Superior Warranty
- 12-year product warranty
- 30-year linear power output warranty
- 0.5% Annual Degradation Over 30 years

**Additional Value From 30-Year 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
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval
**OPERATING CONDITIONS**

- **Maximum System Voltage**: 1500V DC (IEC)
- **Operating Temperature**: -40℃ to +85℃
- **Maximum Series Fuse**: 20A
- **Junction Box**: IP68, 3 diodes
- **Connector**: QC 4.10-35
- **Cable Length (Including Connector)**: Portrait: 300mm (+)/400mm (-); Landscape: 1000mm (+)/1000mm (-)
- **Packaging Configuration**: 32 Per Pallet

**ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN (REFERENCE TO 320W FRONT)**

<table>
<thead>
<tr>
<th>Backside Power Gain</th>
<th>5%</th>
<th>10%</th>
<th>15%</th>
<th>20%</th>
<th>25%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Max Power (Pmax) [W]</td>
<td>336</td>
<td>352</td>
<td>368</td>
<td>384</td>
<td>400</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>40.80</td>
<td>40.80</td>
<td>40.80</td>
<td>40.90</td>
<td>40.90</td>
</tr>
<tr>
<td>Max Power Voltage (Vmp) [V]</td>
<td>33.50</td>
<td>33.50</td>
<td>33.50</td>
<td>33.60</td>
<td>33.60</td>
</tr>
<tr>
<td>Short Circuit Current (isc) [A]</td>
<td>10.59</td>
<td>11.10</td>
<td>11.60</td>
<td>12.11</td>
<td>12.61</td>
</tr>
<tr>
<td>Max Power Current (Imp) [A]</td>
<td>10.03</td>
<td>10.51</td>
<td>10.99</td>
<td>11.43</td>
<td>11.90</td>
</tr>
</tbody>
</table>

**CHARACTERISTICS**

- **Current-Voltage Curve**: JAM60D09-315/BP
- **Power-Voltage Curve**: JAM60D09-315/BP
- **Current-Voltage Curve**: JAM60D09-315/BP