These double-glass modules assembled with bifacial PERCIUM cells have the capability of converting lights incident on their rear side into electricity on top of what is being generated by the front side, making them the best-performed and the most cost-effective modules in terms of solar energy generation as well as tolerance for harsh environment and extreme weather conditions.

**Superior Warranty**

- 12-year product warranty
- 30-year linear power output warranty

![Graph showing 0.5% Annual Degradation Over 30 years]

**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℃ ~ +85℃
- **Maximum Series Fuse**: 20A
- **NOCT**: 45±2℃
- **Bifaciality**: 70%±5%

**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