Eagle PERC 60
290-310 Watt
MONO CRYSTALLINE MODULE

Positive power tolerance of 0~±3%
IEC61215, IEC61730 certified products.

KEY FEATURES

5 Busbar Solar Cell:
5 busbar cell design improves module efficiency and offers better aesthetic appearance for rooftop installation.

High Efficiency:
Higher module conversion efficiency (up to 18.94%) benefit from Passivated Emitter Rear Contact (PERC) technology.

PID RESISTANT:
Excellent Anti-PID performance guarantee limited power degradation for mass production.

Low-light Performance:
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

Severe Weather Resilience:
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

Durability against extreme environmental conditions:
High salt mist and ammonia resistance certified by TÜV NORD.

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty

Guaranteed power performance

[Graph showing linear performance warranty and additional value from Jinko Solar's linear warranty]
**Engineering Drawings**

**Current-Voltage & Power-Voltage Curves (290W)**

**Temperature Dependence of Isc, Voc, Pmax**

**Packaging Configuration**

( Two pallets = One stack )

26pcs/pallet, 52pcs/stack, 728 pcs/40’HQ Container

**Electrical Performance & Temperature Dependence**

Current-Voltage & Power-Voltage Curves (290W)

**Mechanical Characteristics**

- **Cell Type**: Mono-crystalline PERC 156 × 156mm (6 inch)
- **No. of cells**: 60 (6 × 10)
- **Dimensions**: 1650 × 992 × 40mm (65.00 × 39.05 × 1.57 inch)
- **Weight**: 19.0 kg (41.9 lbs)
- **Front Glass**: 3.2mm, High Transmission, Low Iron, Tempered Glass
- **Frame**: Anodized Aluminium Alloy
- **Junction Box**: IP67 Rated
- **Output Cables**: TÜV 1 × 4.0mm², Length: 900mm or Customized Length

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Module Type</th>
<th>JKM290M-60</th>
<th>JKM295M-60</th>
<th>JKM300M-60</th>
<th>JKM305M-60</th>
<th>JKM310M-60</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>STC</td>
<td>NOCT</td>
<td>STC</td>
<td>NOCT</td>
<td>STC</td>
</tr>
<tr>
<td><strong>Maximum Power Voltage (Vmp)</strong></td>
<td>32.2V</td>
<td>30.1V</td>
<td>32.4V</td>
<td>30.4V</td>
<td>32.6V</td>
</tr>
<tr>
<td><strong>Open-circuit Voltage (Voc)</strong></td>
<td>39.5V</td>
<td>36.6V</td>
<td>39.7V</td>
<td>36.8V</td>
<td>40.1V</td>
</tr>
<tr>
<td><strong>Module Efficiency STC (%)</strong></td>
<td>17.72%</td>
<td>18.02%</td>
<td>18.33%</td>
<td>18.63%</td>
<td>18.94%</td>
</tr>
<tr>
<td><strong>Operating Temperature(℃)</strong></td>
<td>-40°C~+85°C</td>
<td>-40°C~+85°C</td>
<td>-40°C~+85°C</td>
<td>-40°C~+85°C</td>
<td>-40°C~+85°C</td>
</tr>
<tr>
<td><strong>Maximum system voltage</strong></td>
<td>1000VDC (IEC)</td>
<td>1000VDC (IEC)</td>
<td>1000VDC (IEC)</td>
<td>1000VDC (IEC)</td>
<td>1000VDC (IEC)</td>
</tr>
<tr>
<td><strong>Maximum series fuse rating</strong></td>
<td>15A</td>
<td>15A</td>
<td>15A</td>
<td>15A</td>
<td>15A</td>
</tr>
<tr>
<td><strong>Power tolerance</strong></td>
<td>0~+3%</td>
<td>0~+3%</td>
<td>0~+3%</td>
<td>0~+3%</td>
<td>0~+3%</td>
</tr>
<tr>
<td><strong>Temperature coefficients of Pmax</strong></td>
<td>-0.39%/℃</td>
<td>-0.39%/℃</td>
<td>-0.39%/℃</td>
<td>-0.39%/℃</td>
<td>-0.39%/℃</td>
</tr>
<tr>
<td><strong>Temperature coefficients of Voc</strong></td>
<td>-0.29%/℃</td>
<td>-0.29%/℃</td>
<td>-0.29%/℃</td>
<td>-0.29%/℃</td>
<td>-0.29%/℃</td>
</tr>
<tr>
<td><strong>Temperature coefficients of Isc</strong></td>
<td>0.05%/℃</td>
<td>0.05%/℃</td>
<td>0.05%/℃</td>
<td>0.05%/℃</td>
<td>0.05%/℃</td>
</tr>
<tr>
<td><strong>Nominal operating cell temperature (NOCT)</strong></td>
<td>45±2℃</td>
<td>45±2℃</td>
<td>45±2℃</td>
<td>45±2℃</td>
<td>45±2℃</td>
</tr>
</tbody>
</table>

**STC**: Irradiance 1000W/m²  Cell Temperature 25℃  AM = 1.5

**NOCT**: Irradiance 800W/m²  Ambient Temperature 20℃  AM = 1.5  Wind Speed 1m/s

* Power measurement tolerance: ± 3%

The company reserves the final right for explanation on any of the information presented hereby. EN-JKM-310M-60-PERC_v1.0_rev2017