THE MOST DEPENDABLE
SOLAR BRAND

EAGLE 72HM G2
390-410 WATT • HALF CELL MONO PERC MODULE
Positive power tolerance of 0~+3%

• NYSE-listed since 2010, Bloomberg Tier 1 manufacturer
• Best-selling module globally for last 4 years
• Top performance in the strictest 3rd party labs
• 99.9% on-time delivery to the installer
• Automated manufacturing utilizing artificial intelligence
• Vertically integrated, tight controls on quality
• Premium solar panel factories in USA and Malaysia

KEY FEATURES

Diamond Half Cell Technology
World-record breaking efficient mono PERC half cut solar cells deliver high power in a small footprint.

Designed for Long Life
Uses the same DuPont protective film as the Space Station, Mars Lander, and jetliners. 25-year warranty.

Shade Tolerant
Twin array design allows continued performance even with shading by trees or debris.

Power Boost in Cloudy Conditions
A special film diffuses light, boosting performance even with shading by trees or debris.

Protected Against All Environments
Certified to withstand humidity, heat, rain, marine environments, wind, hailstorms, and packed snow.

**ISO9001:2008 Quality Standards**
**ISO14001:2004 Environmental Standards**
**IEC61215, IEC61730 certified products**
**OHSAS18001 Occupational Health & Safety Standards**
**UL1703 certified products**

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**ENGINEERING DRAWINGS**

**Front**

![Front View](image)

**Side**

![Side View](image)

**Back**

![Back View](image)

**Packaging Configuration**

27 pcs/pallet, 54 pcs/stack, 594 pcs/40’HQ Container

**MECHANICAL CHARACTERISTICS**

- **Cells**: Mono PERC Diamond Cell (158.75x158.75mm)
- **No. of Half Cells**: 144 (2x72)
- **Dimensions**: 2008x1002x40mm (79.06x39.45x1.57 inch)
- **Weight**: 22.5 kg (49.6 lbs)
- **Front Glass**: 3.2mm, Anti-Reflection Coating
- **Frame**: Anodized Aluminum Alloy
- **Junction Box**: IP67 Rated
- **Output Cables**: 12 AWG, 1400mm (55.12in) or Customized Length
- **Fire Type**: Type 1
- **Temperature**: 45±2°C

**TEMPERATURE CHARACTERISTICS**

- **Temperature Coefficients of Pmax**: -0.35%/°C
- **Temperature Coefficients of Voc**: -0.29%/°C
- **Temperature Coefficients of Isc**: 0.048%/°C
- **Nominal Operating Cell Temperature (NOCT)**: 45±2°C

**MAXIMUM RATINGS**

- **Operating Temperature (°C)**: -40°C to +85°C
- **Maximum System Voltage**: 1500VDC (UL and IEC)
- **Maximum Series Fuse Rating**: 20A

**PACKAGING CONFIGURATION**

(Two pallets = One stack)

27 pcs/pallet, 54 pcs/stack, 594 pcs/40’HQ Container

**ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE**

**Current-Voltage & Power-Voltage Curves (410W)**

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

**Cell Temperature (°C)**

**ELECTRICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Module Type</th>
<th>JKM390M-72HL-V</th>
<th>JKM395M-72HL-V</th>
<th>JKM400M-72HL-V</th>
<th>JKM405M-72HL-V</th>
<th>JKM410M-72HL-V</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STC</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NOCT</strong></td>
<td></td>
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<tr>
<td><strong>Maximum Power Voltage (Vmp)</strong></td>
<td>39.64V</td>
<td>37.0V</td>
<td>39.90V</td>
<td>37.4V</td>
<td>40.16V</td>
</tr>
<tr>
<td><strong>Maximum Power Current (Imp)</strong></td>
<td>9.84A</td>
<td>7.75A</td>
<td>9.90A</td>
<td>7.77A</td>
<td>9.96A</td>
</tr>
<tr>
<td><strong>Open-circuit Voltage (Voc)</strong></td>
<td>48.6V</td>
<td>45.8V</td>
<td>48.8V</td>
<td>46.0V</td>
<td>49.1V</td>
</tr>
<tr>
<td><strong>Short-circuit Current (Isc)</strong></td>
<td>10.46A</td>
<td>8.45A</td>
<td>10.54A</td>
<td>8.51A</td>
<td>10.61A</td>
</tr>
<tr>
<td><strong>Module Efficiency STC (%)</strong></td>
<td>19.38%</td>
<td>19.63%</td>
<td>19.68%</td>
<td>20.13%</td>
<td>20.38%</td>
</tr>
</tbody>
</table>

* **STC**: Irradiance 1000W/m², Cell Temperature 25°C, Ambient Temperature 20°C
* **NOCT**: Irradiance 800W/m², Wind Speed 1m/s

*Power measurement tolerance: ±3%*

The company reserves the final right for explanation on any of the information presented hereby. JKM390-410M-72HL-V-A4-US

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