Tiger Neo N-type
72HL4-BDV
570-590 Watt
BIFACIAL MODULE WITH DUAL GLASS
N-Type

Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)
ISO9001:2015: Quality Management System
ISO14001:2015: Environment Management System
ISO45001:2018
Occupational health and safety management systems

Key Features

**SMBB Technology**
Better light trapping and current collection to improve module power output and reliability.

**PID Resistance**
Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.

**Higher Power Output**
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.

**Hot 2.0 Technology**
The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.

**Enhanced Mechanical Load**
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

**LINEAR PERFORMANCE WARRANTY**

12 Year Product Warranty
30 Year Linear Power Warranty
0.40% Annual Degradation Over 30 years
**Engineering Drawings**

![Module drawings](image)

**Electrical Performance & Temperature Dependence**

![Current-Voltage & Power-Voltage Curves](image)

**Mechanical Characteristics**

- **Cell Type**: N type Mono-crystalline
- **No. of cells**: 144 (2x72)
- **Dimensions**: 2278x1134x30mm (89.69x44.65x1.18 inch)
- **Weight**: 31 kg (68.34 lbs)
- **Front Glass**: 2.0mm, Anti-Reflection Coating
- **Back Glass**: 2.0mm, Heat Strengthened Glass
- **Frame**: Anodized Aluminium Alloy
- **Junction Box**: IP68 Rated
- **Output Cables**: (+): 400mm, (-): 200mm or Customized Length

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Module Type</th>
<th>JKM570N-72HL4-BDV</th>
<th>JKM575N-72HL4-BDV</th>
<th>JKM580N-72HL4-BDV</th>
<th>JKM585N-72HL4-BDV</th>
<th>JKM590-72HL4-BDV</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum Power Voltage (Vmp)</strong></td>
<td>43.58V 40.56V</td>
<td>43.73V 40.73V</td>
<td>43.88V 40.89V</td>
<td>44.02V 41.05V</td>
<td>44.17V 41.21V</td>
</tr>
<tr>
<td><strong>Maximum Power Current (Imp)</strong></td>
<td>13.06A 10.59A</td>
<td>13.15A 10.64A</td>
<td>13.22A 10.69A</td>
<td>13.29A 10.74A</td>
<td>13.36A 10.79A</td>
</tr>
<tr>
<td><strong>Open-circuit Voltage (Voc)</strong></td>
<td>52.10V 39.60V</td>
<td>52.30V 39.75V</td>
<td>52.50V 39.90V</td>
<td>52.70V 40.05V</td>
<td>52.90V 40.20V</td>
</tr>
<tr>
<td><strong>Short-circuit Current (Isc)</strong></td>
<td>13.83A 11.16A</td>
<td>13.89A 11.21A</td>
<td>13.95A 11.26A</td>
<td>14.01A 11.31A</td>
<td>14.07A 11.36A</td>
</tr>
<tr>
<td><strong>Module Efficiency STC (%)</strong></td>
<td>22.07% 22.26%</td>
<td>22.45% 22.65%</td>
<td>22.84% 22.84%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Operating Temperature(°C)</strong></td>
<td>-40°C~+85°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Maximum system voltage</strong></td>
<td>1500VDC (IEC)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Maximum series fuse rating</strong></td>
<td>30A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Power tolerance</strong></td>
<td>0~+3%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Temperature coefficients of Pmax</strong></td>
<td>-0.29%/°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Temperature coefficients of Voc</strong></td>
<td>-0.25%/°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Temperature coefficients of Isc</strong></td>
<td>0.04%/°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Nominal operating cell temperature (NOCT)</strong></td>
<td>45±2°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Refer. Bifacial Factor</strong></td>
<td>80±5%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*STC: Irradiance 1000W/m², Cell Temperature 25°C

**NOCT: Irradiance 800W/m², Ambient Temperature 20°C

©2022 Jinko Solar Co., Ltd. All rights reserved. Specifications included in this datasheet are subject to change without notice.