Tiger Neo N-type 54HL4R-B
420-440 Watt
ALL-BLACK MODULE

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.

**Durability Against Extreme Environmental Conditions**
High salt mist and ammonia resistance.

**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 (4000 Pascal) and snow load (6000 Pascal).

LINEAR PERFORMANCE WARRANTY

25 Year Product Warranty
30 Year Linear Power Warranty
0.40% Annual Degradation Over 30 years
Packaging Configuration

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 936pcs/40HQ Container

For detailed sizes and tolerance specification, please consult detailed module drawing.

Mechanical Characteristics

Cell Type: N type Mono-crystalline

No. of Cells: 108 [6 x 18]

Dimensions: 1762 x 1134 x 30 mm [69.36 x 44.65 x 1.18 inch]

Weight: 21 kg [46.30 lbs]

Front Glass: 3.2mm Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass

Frame: Anodized Aluminum Alloy

Junction Box: IP66 Rated

Output Cables: TUV 1x4.0mm² (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Module Type</th>
<th>JKM420N-54HL4R-B</th>
<th>JKM425N-54HL4R-B</th>
<th>JKM430N-54HL4R-B</th>
<th>JKM435N-54HL4R-B</th>
<th>JKM440N-54HL4R-B</th>
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</thead>
<tbody>
<tr>
<td>STC</td>
<td>420Wp</td>
<td>316Wp</td>
<td>425Wp</td>
<td>320Wp</td>
<td>430Wp</td>
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<tr>
<td>NOCT</td>
<td>316Wp</td>
<td>242Wp</td>
<td>325Wp</td>
<td>240Wp</td>
<td>323Wp</td>
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<tr>
<td>Maximum Power Voltage [Vmp]</td>
<td>32.16V</td>
<td>29.95V</td>
<td>32.37V</td>
<td>30.19V</td>
<td>32.58V</td>
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<tr>
<td>Maximum Power Current [Imp]</td>
<td>13.06A</td>
<td>10.55A</td>
<td>13.13A</td>
<td>10.60A</td>
<td>13.20A</td>
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<tr>
<td>Open-circuit Voltage [Voc]</td>
<td>38.74V</td>
<td>36.80V</td>
<td>38.95V</td>
<td>37.00V</td>
<td>39.16V</td>
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<tr>
<td>Short-circuit Current [Is]</td>
<td>13.51A</td>
<td>10.91A</td>
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<td>10.96A</td>
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<tr>
<td>Module Efficiency STC [%]</td>
<td>21.02%</td>
<td>21.27%</td>
<td>21.52%</td>
<td>21.77%</td>
<td>22.02%</td>
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<td>Operating Temperature [°C]</td>
<td>-40°C - 85°C</td>
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<tr>
<td>Maximum system voltage</td>
<td>1000VDC [IEC]</td>
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<td>Maximum series fuse rating</td>
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<td>Power tolerance</td>
<td>0 – 3%</td>
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<td>Temperature coefficients of Pmax</td>
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<td>Temperature coefficients of Voc</td>
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<td>Nominal operating cell temperature [NOCT]</td>
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STC: Irradiance 1000W/m²

NOCT: Irradiance 800W/m²

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JKM420-440N-54HL4R-B-F4-EN