LR5-54HTB
410~425M

- Suitable for distributed projects
- Excellent outdoor power generation performance
- Aesthetic appearance with all black module design

15-year Warranty for Materials and Processing
25-year Warranty for Extra Linear Power Output

Complete System and Product Certifications
- IEC 61215, IEC 61730, UL 61730
- ISO14001: 2015: ISO Environment Management System
- IEC62941: Guideline for module design qualification and type approval

LONGI

IEC
UL
CE
Hi-MO 6

LR5-54HTB 410~425M

21.8% MAX MODULE EFFICIENCY

0~3% POWER TOLERANCE

<1.5% FIRST YEAR POWER DEGRADATION

0.40% YEAR 2-25 POWER DEGRADATION

Additional Value

25-Year Power Warranty

Mechanical Parameters

- Cell Orientation: 108 (6 x 18)
- Junction Box: IP68, three diodes
- Output Cable: 4mm², ±1200mm length can be customized
- Glass: Single glass, 3.2mm coated tempered glass
- Frame: Anodized aluminum alloy frame
- Weight: 20.8kg
- Dimension: 1722 x 1134 x 30mm
- Packaging: 36pcs per pallet / 216pcs per 20’ GP / 936pcs per 40’ HC

Electrical Characteristics

<table>
<thead>
<tr>
<th>Module Type</th>
<th>STC : AM1.5 1000W/m² 25°C</th>
<th>NOCT : AM1.5 800W/m² 20°C 1m/s</th>
</tr>
</thead>
<tbody>
<tr>
<td>Testing Condition</td>
<td>STC NOCT</td>
<td>STC NOCT</td>
</tr>
<tr>
<td>Maximum Power (Pmax/W)</td>
<td>410 306</td>
<td>415 310</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>38.83 36.27</td>
<td>38.83 36.46</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>13.70 11.07</td>
<td>13.78 11.13</td>
</tr>
<tr>
<td>Voltage at Maximum Power (Vmp)</td>
<td>32.38 29.53</td>
<td>32.56 29.71</td>
</tr>
<tr>
<td>Current at Maximum Power (Imp)</td>
<td>12.67 10.37</td>
<td>12.75 10.44</td>
</tr>
<tr>
<td>Module Efficiency (%)</td>
<td>21.0</td>
<td>21.3</td>
</tr>
</tbody>
</table>

Operating Parameters

- Operational Temperature: -40°C ~ +85°C
- Power Output Tolerance: 0 ~ 3%
- Voc and Isc Tolerance: ±3%
- Maximum System Voltage: DC1500V (IEC/UL)
- Maximum Series Fuse Rating: 25A
- Nominal Operating Cell Temperature: 45 ±2°C
- Protection Class: Class II
- Fire Rating: UL type 1 or 2

Mechanical Loading

- Front Side Maximum Static Loading: 5400Pa
- Rear Side Maximum Static Loading: 2400Pa
- Hallstone Test: 25mm Hallstone at the speed of 23m/s

Temperature Ratings (STC)

- Temperature Coefficient of Voc: -0.230%/°C
- Temperature Coefficient of Pmax: -0.290%/°C

Specifications included in this datasheet are subject to change without notice. LONGI reserves the right of final interpretation. Q02212020/af(V03) DG