MONO MODULE

SST7F54M(H)
108 Pcs
Half-Cut Black
400W-415W

Better Temperature Coefficient
Excellent temperature coefficient gives higher yield in the long term

Low-light Performance
Outstanding performance in weak-light conditions

PID Free
Excellent PID resistance

Positive Tolerance
Positive tight power tolerance of +5W

Quality Assurance
Double state 100% EL inspection warranting defect-free products, with 8 high tech cameras to zoom in for a closer examination

Durability And Weather Resistance
• Severe salt mist, ammonia & blown sand resistance for seaside, farm and desert environments.
• Certified for high snow (5400 pa) and wind (2400 pa) loads

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108 Pcs Half-Cut Black 400W~415W

**ELECTRICAL CHARACTERISTICS AT STC**

<table>
<thead>
<tr>
<th>Type</th>
<th>SST7F54M(H)-400</th>
<th>SST7F54M(H)-405</th>
<th>SST7F54M(H)-410</th>
<th>SST7F54M(H)-415</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power (Pmax/W)</td>
<td>400</td>
<td>405</td>
<td>410</td>
<td>415</td>
</tr>
<tr>
<td>Operating Voltage (Vmppv/V)</td>
<td>31.05</td>
<td>31.24</td>
<td>31.43</td>
<td>31.64</td>
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<tr>
<td>Operating Current (Impp/A)</td>
<td>12.89</td>
<td>12.97</td>
<td>13.05</td>
<td>13.13</td>
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<tr>
<td>Open-Circuit Voltage (Voc/V)</td>
<td>37.00</td>
<td>37.25</td>
<td>37.50</td>
<td>37.75</td>
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<tr>
<td>Short-Circuit Current (Isc/A)</td>
<td>13.78</td>
<td>13.86</td>
<td>13.94</td>
<td>14.02</td>
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<tr>
<td>Module Efficiency (%)</td>
<td>20.50</td>
<td>20.70</td>
<td>21.00</td>
<td>21.30</td>
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<tr>
<td>Operating Temperature</td>
<td>-40°C to +85°C</td>
<td></td>
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<tr>
<td>Maximum System Voltage</td>
<td>1000V DC/1500V DC</td>
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<td></td>
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<tr>
<td>Safety Protection Class</td>
<td>Class II</td>
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<tr>
<td>Maximum Series Fuse Rating</td>
<td>25A</td>
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</tbody>
</table>

STC: Irradiance 1000W/m², Cell temperature: 25°C, AM1.5, tolerance of Pmax: ±3%, Measurement tolerance: ±3%

**ELECTRICAL CHARACTERISTICS NOCT**

| Maximum Power (Pmax/W)      | 298             | 302             | 306             | 310             |
| Operating Voltage (Vmppv/V) | 29.0            | 29.2            | 29.3            | 29.6            |
| Operating Current (Impp/A)  | 10.30           | 10.36           | 10.42           | 10.48           |
| Open-Circuit Voltage (Voc/V)| 34.8            | 35.1            | 35.3            | 35.5            |
| Short-Circuit Current (Isc/A)| 11.11           | 11.17           | 11.24           | 11.30           |

NOCT: Irradiance 800W/m², Ambient temperature: 20°C, Wind speed: 1m/s

**TEMPERATURE CHARACTERISTICS**

- Nominal Operating Cell Temperature (NOCT): 43°C±2°C
- Temperature Coefficients of Pmax: -0.35%/°C
- Temperature Coefficients of Voc: -0.26%/°C
- Temperature Coefficients of Isc: 0.048%/°C

**PACKAGING**

- Standard packaging: 36pcs/pallet
- Module quantity per 53' container: 864pcs

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**MECHANICAL CHARACTERISTICS**

- Cell type: Monocrystalline PERC 182*91mm
- Number of cells: 108 (6x18)
- Module dimensions: 1722x1134x30mm (67.80x44.65x1.18 inches)
- Weight: 21.5kg (47.4lbs)
- Front cover: 3.2mm (0.13inches) tempered glass with AR coating
- Frame: Anodized aluminum alloy
- Junction box: IP68, 3 diodes
- Cable: 4mm² (IEC), 12AWG(UL) 300mm in length or customized length
- Connector: T01/LJQ-3-CSY/MC4/MC4-EVO2

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Specifications in this datasheet are subject to change without prior notice.