THE TALLMAX FRAMED 144 LAYOUT MODULE

144 LAYOUT MULTICRYSTALLINE MODULE

340-360W POWER OUTPUT RANGE

17.9% MAXIMUM EFFICIENCY

0~+5W POSITIVE POWER TOLERANCE

High power
- Up to 360W front power and 17.9% module efficiency with half-cut and MBB (Multi Busbar) technology bringing more BOS savings
- Lower resistance of half-cut and good reflection effect of MBB ensure high power

High reliability
- Ensured PID resistance through cell process and module material control
- Resistant to salt, acid and ammonia
- Mechanical performance: Up to 5400 Pa positive load and 2400 Pa negative load

High energy generation
- Excellent IAM and low light performance validated by 3rd party with cell process and module material optimization
- Lower NMOT bring more energy leading to lower LCOE
- Better anti-shading performance and lower operating temperature

Comprehensive Products and System Certificates
IEC61215/IEC61730/UL1703/IEC61701/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO 14064: Greenhouse Gases Emissions Verification
OHSAS 18001: Occupation Health and Safety Management System

PERFORMANCE WARRANTY
10 Year Product Warranty · 25 Year Power Warranty

Guaranteed Power

From the 2nd year to the 25th year, the average annual power decline will be no more than 0.65%.
### ELECTRICAL DATA (STC)

<table>
<thead>
<tr>
<th></th>
<th>340</th>
<th>345</th>
<th>350</th>
<th>355</th>
<th>360</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak Power Watts - P_{MAX} (Wp)*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Output Tolerance - P_{MAX} (W)</td>
<td></td>
<td></td>
<td>0~+5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Power Voltage - V_{MAX} (V)</td>
<td>37.5</td>
<td>37.9</td>
<td>37.9</td>
<td>38.1</td>
<td>38.3</td>
</tr>
<tr>
<td>Maximum Power Current - I_{SC} (A)</td>
<td>9.06</td>
<td>9.23</td>
<td>9.32</td>
<td>9.40</td>
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<tr>
<td>Open Circuit Voltage - V_{OC} (V)</td>
<td>46.2</td>
<td>46.4</td>
<td>46.7</td>
<td>47.0</td>
<td>47.2</td>
</tr>
<tr>
<td>Short Circuit Current - I_{SC} (A)</td>
<td>9.53</td>
<td>9.62</td>
<td>9.71</td>
<td>9.81</td>
<td>9.89</td>
</tr>
<tr>
<td>Module Efficiency - \eta = (%)</td>
<td>16.9</td>
<td>17.2</td>
<td>17.4</td>
<td>17.7</td>
<td>17.9</td>
</tr>
</tbody>
</table>

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.
* Measuring tolerance ±3%.

### ELECTRICAL DATA (NMOT)

<table>
<thead>
<tr>
<th></th>
<th>257</th>
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<th>265</th>
<th>269</th>
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<tbody>
<tr>
<td>Maximum Power - P_{MAX} (Wp)</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Maximum Power Voltage - V_{MAX} (V)</td>
<td>35.5</td>
<td>35.9</td>
<td>36.1</td>
<td>36.3</td>
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<tr>
<td>Maximum Power Current - I_{SC} (A)</td>
<td>7.24</td>
<td>7.37</td>
<td>7.45</td>
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<tr>
<td>Open Circuit Voltage - V_{OC} (V)</td>
<td>43.5</td>
<td>44.0</td>
<td>44.2</td>
<td>44.4</td>
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<tr>
<td>Short Circuit Current - I_{SC} (A)</td>
<td>7.69</td>
<td>7.83</td>
<td>7.91</td>
<td>7.99</td>
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</table>

NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

### MECHANICAL DATA

- **Solar Cells**: Multicrystalline
- **Cell Orientation**: 144 cells (6 × 24)
- **Module Dimensions**: 2015 × 996 × 35 mm (79.33×39.21×1.38 inches)
- **Weight**: 22.0 kg (48.5 lb)
- **Glass**: 3.2 mm (0.13 inches), High Transmission, AR Coated Heat Strengthened Glass
- **Encapsulant Material**: EVA
- **Backsheet**: White
- **Frame**: 35 mm (1.38 inches) Anodized Aluminium Alloy
- **Connector**: MC4 / TS4*
  * Please refer to regional datasheet for specified connector.

### TEMPERATURE RATINGs

- **NMOT (Nominal Module Operating Temperature)**: 41°C (±3°C)
- **Temperature Coefficient of P_{MAX}**: -0.38%/°C
- **Temperature Coefficient of V_{OC}**: -0.31%/°C
- **Temperature Coefficient of I_{SC}**: 0.05%/°C
  
### MAXIMUM RATINGS

- **Operational Temperature**: -40~+85°C
- **Maximum System Voltage**: 1500V DC (IEC)
- **Max Series Fuse Rating**: 20A

### WARRANTY

- **10 year Product Workmanship Warranty**
- **25 year Power Warranty**
  
(Please refer to product warranty for details)

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**CAUTION**: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
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