MARS monocrystalline 120 halfcut cell series with multibusbar M6 cells is the newest top efficiency series. Halfcut cells are split in two halves to improve the performance and they are arranged in two parallel strings for a better management of shading. Featuring a 35 mm black anodized aluminium frame, MARS series can combine visual attractiveness to conversion efficiency over 20%.
### Electrical Parameters at NOCT

<table>
<thead>
<tr>
<th></th>
<th>A-HCM360/120</th>
<th>A-HCM370/120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power (Pmax) (W)</td>
<td>266</td>
<td>274</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) (V)</td>
<td>37.80</td>
<td>38.20</td>
</tr>
<tr>
<td>Short Circuit Current (Isc) (A)</td>
<td>9.15</td>
<td>9.29</td>
</tr>
<tr>
<td>Voltage at Maximum Power (Vmpp) (V)</td>
<td>31.40</td>
<td>31.80</td>
</tr>
<tr>
<td>Current at Maximum Power (Impp) (A)</td>
<td>8.49</td>
<td>8.63</td>
</tr>
</tbody>
</table>

### Operating Conditions

- **Operating Module Temperature**: -40 °C ~ +85 °C
- **Maximum System Voltage**: 1500 V
- **Maximum Series Fuse Rating**: 20 A
- **Power Tolerance**: 0 ~ +5 W
- **Maximum Static Load Front**: 5400 Pa
- **Maximum Static Load Back**: 2400 Pa
- **Application Class**: Class A

### Specifications

- **Cell Type**: Mono M6 166 9BB
- **Weight**: 19.5 kg ±3 %
- **Dimensions**: 1755x1038x35 mm (±2 mm)
- **Cable Cross Section Size**: 4 mm², cable approx 110 cm, QC4 compatible
- **No. of cells**: 120 (6x20)
- **Junction Box**: IP67, 3 diodes
- **Frame**: Black anodized aluminium
- **Front glass**: 3.2 mm high transmission, low iron, tempered glass

### Packing Details

- **Container Type**: 40′HC
- **No. of Pallets**: 26
- **Pieces per Pallet**: 30
- **Total quantity of modules**: 780

### Test Uncertainty

- **Pmax**: ±3 %
- **Voc and Isc**: ±3 %

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**STC (Standard Testing Condition):** Irradiance 1000 W/m², Cell Temperature 25 °C, Spectra at AM 1.5

**NOCT (Nominal Operating Cell Temperature):** Irradiance 800 W/m², Ambient Temperature 20 °C, Spectra at AM 1.5, Wind at 1 m/s