**EXCELLENT M72**
Low Carbon

**MONOCRYSTALLINE 365-375 WP**

**Certified sustainable manufacturing**
- Sustainable manufacturing certified by Certisolis
- Carbon emissions during production are 50% lower than industry average

**Optimized for performance**
- PID-free monocrystalline high performance solar cells
- Antireflective-coated solar glass
- Low-light optimized
- Positively classified -0/+4.99 Wp
- Industry-leading NMOT values

**Highest quality standards**
- Manufactured according to DIN EN ISO 9001:2015
- DIN EN ISO 14001:2015
- BS OHSAS 18001:2007
- PV-module type approval according to IEC 61215:2016
- PV-module safety qualification according to IEC 61730:2016

**Guaranteed performance**
- 26 years of linear performance guarantee
- 12 years product guarantee, optional extension to 25 years
- Total Care for the entire system (optional)

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1 For detailed information please consult the CS Wismar GmbH warranty conditions
2 See backside for detailed test loads
3 Subject to recertification
## Performance STC

Under standard Test Conditions STC: 1000 W/m²; spectrum AM 1.5; Cell temperature 25°C

<table>
<thead>
<tr>
<th>Nominal Power Pmpp (Wp)</th>
<th>365</th>
<th>370</th>
<th>375</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Circuit Voltage Uoc (V)</td>
<td>47,41</td>
<td>47,67</td>
<td>47,93</td>
</tr>
<tr>
<td>Voltage Umpp (V)</td>
<td>39,46</td>
<td>39,70</td>
<td>39,89</td>
</tr>
<tr>
<td>Short Circuit Current Isc (A)</td>
<td>9,87</td>
<td>9,95</td>
<td>10,03</td>
</tr>
<tr>
<td>Current Impp (A)</td>
<td>9,25</td>
<td>9,32</td>
<td>9,40</td>
</tr>
<tr>
<td>Efficiency η (%)</td>
<td>18,3</td>
<td>18,5</td>
<td>18,8</td>
</tr>
</tbody>
</table>

Reduction of module efficiency at reduction from 1000 W/m² to 200 W/m²: 1.7% ± 0.2% (relative)

## Performance NMOT

Nominal operating temperature of module 800 W/m², NMOT, AM 1.5

<table>
<thead>
<tr>
<th>Nominal Power Pmpp (Wp)</th>
<th>288</th>
<th>292</th>
<th>296</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Circuit Voltage Uoc (V)</td>
<td>44,34</td>
<td>44,58</td>
<td>44,83</td>
</tr>
<tr>
<td>Voltage Umpp (V)</td>
<td>39,01</td>
<td>39,25</td>
<td>39,46</td>
</tr>
<tr>
<td>Short Circuit Current Isc (A)</td>
<td>7,97</td>
<td>8,04</td>
<td>8,10</td>
</tr>
<tr>
<td>Current Impp (A)</td>
<td>7,38</td>
<td>7,44</td>
<td>7,50</td>
</tr>
</tbody>
</table>

## Other Technical Specification

- Max. system voltage: 1000 V
- Weight: 22.0 ± 0.5 kg
- Reverse Current Load IR: 15 A
- Junction box: IP 67 with 3 bypass diodes
- Connectors: IP 67, MC4
- Fire rating: class C
- Operating temperature: -40°C …+85°C
- Design load: snow: 5.400 Pa *
- Max test load: 8.100 Pa
- Design load: wind: 2.400 Pa *
- Max test load: 3.600 Pa

* safety factor 1.5

## Thermal Properties

- TC Pmpp: -0.39 %/K
- TC Uoc: -0.28 %/K
- TC Isc: 0.040 %/K
- NMOT: 45 +/- 2 °C

## Material Used

- No. of cells: 72 cells
- Type of cells: monocrystalline
- Front: hardened solar glass
- Frame: anodized aluminium
- Frame height: 35 mm

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CS Wismar GmbH · An der Westtangente 1 · 23966 Wismar · Germany · +49 38 413 049 300 · www.sonnenstromfabrik.com · release: 07/19 rev. 3.7