**PERC MONO CRYSTALLINE MODULE**

**Technology**
High module conversion efficiency through superior manufacturing technology

**Voltage resistance**
Module can withstand the 1500V system voltage

**PID Free**
Excellent PID resistance according to IEC TS 62804-1

**Performance**
High performance under low light conditions (Cloudy days, mornings, and evenings)

**Quality**
Manufactured according to International Quality and Environmental Management Systems (ISO9001, ISO14001)

**Value**
Our vertically integrated business model allows for competitive pricing and great value

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**Superior Manufacturing-Quality Assurance**

- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

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**Warranty**

- 12 Years Manufacturers Warranty
- Linear Power Output Warranty, no less than 80.2% at year 25th

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**Power Output**

- Our IP68 rated junction box improves module performance and stability
- High-performance connectors provide low resistance interconnection to ensure the full utilization of module output power

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**Visible Quality**

- Durable, high-quality
- Rigid construction: 5400Pa & 2400Pa rated assembly

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**www.dmegcsolar.com**
**Electrical Specifications**

* STC irradiance of 1000W/m² spectrum AM 1.5 and cell temperature of 25°C

<table>
<thead>
<tr>
<th>Module Type</th>
<th>Pm(W)</th>
<th>Tolerance</th>
<th>Imp(A)</th>
<th>Vmp(V)</th>
<th>Isc(A)</th>
<th>Voc (V)</th>
<th>Module Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM380G1-72SW</td>
<td>380</td>
<td>0/+3%</td>
<td>9.54</td>
<td>39.88</td>
<td>9.95</td>
<td>49.14</td>
<td>19.16%</td>
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<td>40.07</td>
<td>10.03</td>
<td>49.31</td>
<td>19.42%</td>
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<td>0/+3%</td>
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<td>40.42</td>
<td>10.19</td>
<td>49.65</td>
<td>19.92%</td>
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</tbody>
</table>

**Mechanical Data**

- **Cell Type**: DMPD5B159-223
- **Cell Arrangement**: 72(6x12)
- **Module Structure**: Glass/EVA/Backsheet(white)
- **Glass Thickness**: 3.2mm
- **Application Class**: Class A at IEC 61730
- **Junction Box Rating**: IP67/IP68
- **Cables**: 1200mm/4mm²
- **Connector Type**: MC4/MC4 Compatible
- **Fire Rating Class**: C

**Maximum Ratings**

- **Operating Temperature**: -40°C to +85°C
- **Maximum Load Capacity**: Snow 5400Pa/Wind 2400Pa
- **Maximum System Voltage**: 1000V/1500V DC(IEC)
- **Maximum Series Fuse Rating**: 20A
- **Number of Diodes**: 3

**Packaging**

- **Module Dimensions**: 1979x1002x40mm
- **Weight**: 22.7kg
- **Pallet Dimensions**: 2020x1130x1140mm
- **Container**: 40' HQ
- **Pieces per Pallet**: 27
- **Pallets per Container**: 22
- **Pieces per Container**: 594
- **Gross Weight per Pallet**: 665kg
- **Gross Weight per Container**: 14630kg

**Temperature Characteristics**

- **Nominal Module Operating Temperature (NMOT)**: 42°C±3°C
- **Temperature Coefficient of Isc**: +0.038%/°C
- **Temperature Coefficient of Voc**: -0.270%/°C
- **Temperature Coefficient of Pmax**: -0.365%/°C