The new high-performance module Q.PEAK DUO L-G5.2 is the ideal solution for commercial and utility applications thanks to a combination of its innovative cell technology Q.ANTUM and cutting edge cell interconnection. This 1500 V IEC/UL solar module with its 6 busbar cell design ensures superior yields with up to 395 Wp while having a very low LCOE.

**LOW ELECTRICITY GENERATION COSTS**
Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 19.9 %.

**INNOVATIVE ALL-WEATHER TECHNOLOGY**
Optimal yields, whatever the weather with excellent low-light and temperature behavior.

**ENDURING HIGH PERFORMANCE**
Long-term yield security with Anti LID Technology, Anti PID Technology
1, Hot-Spot Protect and Traceable Quality Tra.Q™.

**EXTREME WEATHER RATING**
High-tech aluminum alloy frame, certified for high snow (5400 Pa) and wind loads (2400 Pa).

**A RELIABLE INVESTMENT**
Inclusive 12-year product warranty and 25-year linear performance warranty.

1 APT test conditions according to IEC/TS 62804-1:2015, method B (-1500V, 168 h)
2 See data sheet on rear for further information.

THE IDEAL SOLUTION FOR:
- Rooftop arrays on commercial/industrial buildings
- Ground-mounted solar power plants

Engineered in Germany
**MECHANICAL SPECIFICATION**

**Format**
7.9 in x 39.4 in x 1.38 in (including frame)
(2015 mm x 1000 mm x 35 mm)

**Weight**
51.8 lbs (23.5 kg)

**Front Cover**
0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology

**Back Cover**
Composite film

**Frame**
Anodized aluminum

**Cell**
6 x 24 monocrystalline Q.ANTUM solar half-cells

**Junction box**
2.76-3.35 in x 1.97-2.76 in x 0.51-0.83 in (70-85 mm x 50-70 mm x 13-21 mm), Protection class IP67, with bypass diodes

**Cable**
4 mm² Solar cable; (+) ≥ 53.1 in (1350 mm), (−) ≥ 53.1 in (1350 mm)

**Connector**
Multi-Contact MC4-EVO2, JMTHY PV-JM601A, IP68 or Renhe 05-8, IP67

**Cell**
Anodized aluminum

**Frame**
Back Cover
0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology

**Weight**
51.8 lbs (23.5 kg)

**LABEL**

**ELECTRICAL CHARACTERISTICS**

**POWER CLASS**
380 385 390 395

**MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC1 (POWER TOLERANCE +5 W / −0 W)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>380</th>
<th>385</th>
<th>390</th>
<th>395</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power at MPP</td>
<td>283.9</td>
<td>287.6</td>
<td>291.3</td>
<td>295.1</td>
</tr>
<tr>
<td>Short Circuit Current</td>
<td>8.10</td>
<td>8.14</td>
<td>8.17</td>
<td>8.21</td>
</tr>
<tr>
<td>Open Circuit Voltage</td>
<td>45.12</td>
<td>45.37</td>
<td>45.62</td>
<td>45.87</td>
</tr>
<tr>
<td>Current at MPP</td>
<td>7.53</td>
<td>7.57</td>
<td>7.60</td>
<td>7.64</td>
</tr>
<tr>
<td>Voltage at MPP</td>
<td>37.69</td>
<td>38.01</td>
<td>38.33</td>
<td>38.64</td>
</tr>
<tr>
<td>Efficiency¹</td>
<td>≥ 18.9</td>
<td>≥ 19.1</td>
<td>≥ 19.4</td>
<td>≥ 19.6</td>
</tr>
</tbody>
</table>

**MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT²**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>380</th>
<th>385</th>
<th>390</th>
<th>395</th>
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</thead>
<tbody>
<tr>
<td>Power at MPP²</td>
<td>380</td>
<td>385</td>
<td>390</td>
<td>395</td>
</tr>
<tr>
<td>Short Circuit Current</td>
<td>10.05</td>
<td>10.10</td>
<td>10.14</td>
<td>10.19</td>
</tr>
<tr>
<td>Open Circuit Voltage</td>
<td>47.95</td>
<td>48.21</td>
<td>48.48</td>
<td>48.74</td>
</tr>
<tr>
<td>Current at MPP</td>
<td>9.57</td>
<td>9.61</td>
<td>9.66</td>
<td>9.70</td>
</tr>
<tr>
<td>Voltage at MPP</td>
<td>39.71</td>
<td>40.05</td>
<td>40.38</td>
<td>40.71</td>
</tr>
</tbody>
</table>

¹Measurement tolerances Pₚₚₚ ± 3%: Iₚₚₚ ± 5% at STC: 1000 W/m², 25 ± 2 °C, AM 1.5G according to IEC 60904-3 - 2 800 W/m², NMOT, spectrum AM 1.5G

²At least 98% of nominal power during first year. Thereafter max. 0.54% degradation per year. At least 93.1% of nominal power up to 10 years. At least 85% of nominal power up to 25 years. All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Q CELLS sales organization of your respective country.

**TEMPERATURE COEFFICIENTS**

| Temperature Coefficient | α [% / K] | β [% / K] | γ [% / K] | Normal Operating Module Temperature
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Coefficient of Iₚₚₚ</td>
<td>+0.04</td>
<td>−0.28</td>
<td>+0.04</td>
<td>NMOT [°F] 109 ± 5.4 (43 ± 3 °C)</td>
</tr>
<tr>
<td>Temperature Coefficient of Vₚₚₚ</td>
<td>+0.04</td>
<td>−0.28</td>
<td>+0.04</td>
<td></td>
</tr>
</tbody>
</table>

**PROPERTIES FOR SYSTEM DESIGN**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum System Voltage</td>
<td>1500 (IEC) / 1500 (UL)</td>
</tr>
<tr>
<td>Maximum Series Fuse Rating</td>
<td>20</td>
</tr>
<tr>
<td>Max. Design Load, Push / Pull (UL)²</td>
<td>75 (3600Pa) / 33 (1600Pa)</td>
</tr>
<tr>
<td>Max. Test Load, Push / Pull (UL)²</td>
<td>113 (5400Pa) / 50 (2400Pa)</td>
</tr>
</tbody>
</table>

²See installation manual

**QUALIFICATIONS AND CERTIFICATES**

- UL 1703; CE-compliant
- IEC 61215:2016, IEC 61730:2016 application class A

**PACKAGING INFORMATION**

- Number of Modules per Pallet: 29
- Number of Pallets per 53” Trailer: 26
- Number of Pallets per 40’ High Cube Container: 22
- Pallet Dimensions (L x W x H): 81.9 in x 45.3 in x 46.7 in
- (2080 mm x 1150 mm x 1185 mm)
- Pallet Weight: 1635 lbs (742 kg)

**NOTE:** Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.

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