The new Q.PRO-G4 is the result of the continued evolution of our Q.PRO family. Thanks to improved power yield, excellent reliability, and high-level operational safety, the new Q.PRO-G4 generates electricity at a low cost (LCOE) and is suitable for a wide range of applications.

**LOW LEVELIZED COST OF ELECTRICITY**
Higher yield per surface area and lower BOS costs thanks to higher power classes and an efficiency rate of up to 16.2 %.

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

**ENDURING HIGH PERFORMANCE**
Long-term yield security with Anti-PID Technology¹, Hot-Spot-Protect and Traceable Quality Tra.Q™.

**LIGHT-WEIGHT QUALITY FRAME**
High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).

**MAXIMUM COST REDUCTIONS**
Up to 10 % lower logistics costs due to higher module capacity per box.

**SAFE ELECTRONICS**
Protection against short circuits and thermally induced power losses due to breathable junction box and welded cables.

**A RELIABLE INVESTMENT**
Inclusive 12-year product warranty and 25-year linear performance guarantee².

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1 APT test conditions: Cells at -1000 V against grounded, with conductive metal foil covered module surface, 25 °C, 168 h
2 See data sheet on rear for further information.
MECHANICAL SPECIFICATION

Format 1670mm x 1000mm x 32mm (including frame)
Weight 18.8 kg
Front Cover 3.2 mm thermally pre-stressed glass with anti-reflection technology
Back Cover Composite film
Frame Anodised aluminium
Cell 6 x 10 polycrystalline solar cells
Junction Box 110mm x 115mm x 23mm
Protection class IP67, with bypass diodes
Cable 4mm² Solar cable; (+) ≥ 1000mm, (-) ≥ 1000mm
Connector Tyco Solarlok PV4, IP68

ELECTRICAL CHARACTERISTICS

POWER CLASS 255 260 265

MINIMUM PERFORMANCE AT STANDARD TESTING CONDITIONS, STC1 (POWER TOLERANCE +5 W/-0 W)

<table>
<thead>
<tr>
<th>Power at MPP²</th>
<th>P_{MPP} [W]</th>
<th>255</th>
<th>260</th>
<th>265</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Circuit Voltage*</td>
<td>V_{OC} [V]</td>
<td>37.54</td>
<td>37.77</td>
<td>38.01</td>
</tr>
<tr>
<td>Current at MPP*</td>
<td>I_{MPP} [A]</td>
<td>8.45</td>
<td>8.53</td>
<td>8.62</td>
</tr>
<tr>
<td>Voltage at MPP*</td>
<td>V_{MPP} [V]</td>
<td>30.18</td>
<td>30.46</td>
<td>30.75</td>
</tr>
<tr>
<td>Efficiency²</td>
<td>η [%]</td>
<td>≥15.3</td>
<td>≥15.6</td>
<td>≥15.9</td>
</tr>
</tbody>
</table>

MINIMUM PERFORMANCE AT NORMING OPERATING CONDITIONS, NOC3

<table>
<thead>
<tr>
<th>Power at MPP²</th>
<th>P_{MPP} [W]</th>
<th>188.3</th>
<th>192.0</th>
<th>195.7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Circuit Current*</td>
<td>I_{SC} [A]</td>
<td>7.31</td>
<td>7.38</td>
<td>7.44</td>
</tr>
<tr>
<td>Open Circuit Voltage*</td>
<td>V_{OC} [V]</td>
<td>34.95</td>
<td>35.16</td>
<td>35.38</td>
</tr>
<tr>
<td>Current at MPP*</td>
<td>I_{MPP} [A]</td>
<td>6.61</td>
<td>6.68</td>
<td>6.75</td>
</tr>
<tr>
<td>Voltage at MPP*</td>
<td>V_{MPP} [V]</td>
<td>28.48</td>
<td>28.75</td>
<td>29.01</td>
</tr>
</tbody>
</table>

1:1000 W/m², 25 °C, spectrum AM 1.5 G
* Measurement tolerances STC ± 3 %; NOC ± 5 %
3: 800 W/m², NOCT, spectrum AM 1.5 G
* typical values, actual values may differ

Q CELLS PERFORMANCE WARRANTY

PERFORMANCE AT LOW IRRADIANCE

At least 97 % of nominal power during first year. Thereafter max. 0.6 % degradation per year.
At least 92 % of nominal power after 10 years.
At least 83 % of nominal power after 25 years.

All data within measurement tolerances.
Full warranties in accordance with the warranty terms of the Q CELLS sales organisation of your respective country.

TEMPERATURE COEFFICIENTS

| Temperature Coefficient of I_{SC} | α [%/K] | +0.04 |
| Temperature Coefficient of V_{OC} | β [%/K] | −0.30 |
| Temperature Coefficient of P_{MPP} | γ [%/K] | −0.41 |

Normal Operating Cell Temperature
NOCT [°C] 45

PROPERTIES FOR SYSTEM DESIGN

| Maximum System Voltage | V_{SYS} [V] | 1000 |
| Maximum Reverse Current | I_{b} [A] | 20 |
| Wind/Snow Load (in accordance with IEC 61215) | P [Pa] | 4000/5400 |

Safety Class II
Fire Rating C

QUALIFICATIONS AND CERTIFICATES

VDE Quality Tested, IEC 61215 (Ed. 2); IEC 61730 (Ed. 1), Application class A

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.