The new Q.PRO-G3 is the reliable evergreen for all applications. The third module generation from Q CELLS has been optimised across the board: improved output yield, higher operating reliability and durability, quicker installation and more intelligent design.

**INNOVATIVE ALL-WEATHER TECHNOLOGY**
- Maximum yields with excellent low-light and temperature behaviour.
- Certified fully resistant to level 5 salt fog

**ENDURING HIGH PERFORMANCE**
- Long-term Yield Security due to Anti PID Technology\(^1\), Hot-Spot Protect, and Traceable Quality Tra.Q\(^\text{TM}\).
- Long-term stability due to VDE Quality Tested – the strictest test program.

**SAFE ELECTRONICS**
- Protection against short circuits and thermally induced power losses due to breathable junction box and welded cables.
- Increased flexibility due to MC4-inter-mateable connectors.

**PROFIT-INCREASING GLASS TECHNOLOGY**
- Reduction of light reflection by 50\%, plus long-term corrosion resistance due to high-quality
- Sol-Gel roller coating processing.

**LIGHTWEIGHT QUALITY FRAME**
- Stability at wind loads of up to 5400 Pa with a module weight of just 19 kg due to slim frame design with high-tech alloy.

**MAXIMUM COST REDUCTIONS**
- Up to 31\% lower logistics costs due to higher module capacity per box.

**EXTENDED WARRANTIES**
- Investment security due to 12-year product warranty and 25-year linear performance warranty\(^2\).

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

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1. APT test conditions: Cells at -1000V 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**: 65.7 in x 39.4 in x 1.38 in (including frame)
- **Weight**: 41.89 lb (19.0 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 10 polycrystalline solar cells
- **Junction box**: Protection class IP67, with bypass diodes
- **Cable**: 4 mm² Solar cable; (+) ≥ 45.67 in (1160 mm), (-) ≥ 45.67 in (1160 mm)
- **Connector**: SOLARLOK PV4, IP68

**Number of Modules per Pallet**: 29
**Number of Pallets per 53' Container**: 32
**Pallet Dimensions (L × W × H)**: 68.5 in × 44.5 in × 46.0 in (1740 × 1130 × 1170 mm)
**Pallet Weight**: 1323 lb (600 kg)

QUALIFICATIONS AND CERTIFICATES

- **Packaging information**

**Product label**

- ≥ 45.67" (≥ 1160 mm)
- 38.6" (980 mm)
- 5.91" (150 mm)
- 37.76" (959 mm)

**Mounting slots and grounding holes**

- Temperature Coefficient of ISC γ [% / K] − 0.42
- Temperature Coefficient of VOC β [% / K] − 0.30
- Temperature Coefficient of PMPP γ [% / K] − 0.42
- NOCT [°F] 113 ± 5.4 (45 ± 3 °C)

**Electrical Characteristics**

**PERFORMANCE AT STANDARD TEST CONDITIONS (STC: 1000 W/m², 25°C, AM 1.5G SPECTRUM)**

<table>
<thead>
<tr>
<th>Nominal Power (+5 W / -0 W)</th>
<th>255</th>
<th>260</th>
<th>265</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Power</td>
<td>P_{MP} (W)</td>
<td>257.5</td>
<td>262.5</td>
</tr>
<tr>
<td>Short Circuit Current</td>
<td>I_{SC} (A)</td>
<td>8.90</td>
<td>9.09</td>
</tr>
<tr>
<td>Open Circuit Voltage</td>
<td>V_{OC} (V)</td>
<td>37.83</td>
<td>38.18</td>
</tr>
<tr>
<td>Current at P_{MP}</td>
<td>I_{MP} (A)</td>
<td>8.37</td>
<td>8.53</td>
</tr>
<tr>
<td>Voltage at P_{MP}</td>
<td>V_{MP} (V)</td>
<td>30.77</td>
<td>30.78</td>
</tr>
<tr>
<td>Efficiency (Nominal Power)</td>
<td>η (%)</td>
<td>≥ 15.3</td>
<td>≥ 15.6</td>
</tr>
</tbody>
</table>

**PERFORMANCE AT NORMAL OPERATING CELL TEMPERATURE (NOCT: 800 W/m², 45 ±3°C, AM 1.5G SPECTRUM)**

<table>
<thead>
<tr>
<th>Nominal Power (+5 W / -0 W)</th>
<th>255</th>
<th>260</th>
<th>265</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Power</td>
<td>P_{MP} (W)</td>
<td>189.7</td>
<td>193.4</td>
</tr>
<tr>
<td>Short Circuit Current</td>
<td>I_{SC} (A)</td>
<td>7.18</td>
<td>7.33</td>
</tr>
<tr>
<td>Open Circuit Voltage</td>
<td>V_{OC} (V)</td>
<td>35.22</td>
<td>35.54</td>
</tr>
<tr>
<td>Current at P_{MP}</td>
<td>I_{MP} (A)</td>
<td>6.56</td>
<td>6.68</td>
</tr>
<tr>
<td>Voltage at P_{MP}</td>
<td>V_{MP} (V)</td>
<td>28.89</td>
<td>28.94</td>
</tr>
</tbody>
</table>

Q CELLS PERFORMANCE WARRANTY

- 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 (AT 1000W/M², 25°C, AM 1.5G SPECTRUM)

| Temperature Coefficient of I_{SC} | α [% / K] | +0.04 |
| Temperature Coefficient of P_{MP} | γ [% / K] | −0.42 |
| Temperature Coefficient of V_{OC} | β [% / K] | −0.30 |

NOCT [°F] 113 ± 5.4 (45 ± 3°C)

PROPERTIES FOR SYSTEM DESIGN

- **Maximum System Voltage** V_{MPP} [V]: 1000 (IEC) / 600 (UL)
- **Safety Class**: II
- **Fire Rating**: C
- **Max Load (UL)** 2 [lbs/ft²]: 75 (3600 Pa)
- **Load Rating (UL)** 2 [lbs/ft²]: 75 (3600 Pa)

QUALIFICATIONS AND CERTIFICATES

- **Packaging information**

**Number of Modules per Pallet**: 29
**Number of Pallets per 53' Container**: 32
**Number of Pallets per 40' Container**: 26
**Pallet Dimensions (L × W × H)**: 68.5 in x 44.5 in x 46.0 in (1740 x 1130 x 1170 mm)
**Pallet Weight**: 1323 lb (600 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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