Q.PEAK DUO L-G6
405-425

ENDURING HIGH PERFORMANCE

LOW ELECTRICITY GENERATION COSTS
Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 20.1%.

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 LID Technology, Anti PID Technology\(^1\), Hot-Spot Protect and Traceable Quality Tra.Q\(^{TM}\).

EXTREME WEATHER RATING
High-tech aluminium 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\(^2\).

STATE OF THE ART MODULE TECHNOLOGY
Q.ANTUM DUO combines cutting edge cell separation and innovative wiring with Q.ANTUM Technology.

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\(^1\) APT test conditions according to IEC/TS 62804-1:2015, method B (−1500 V, 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
**MECHANICAL SPECIFICATION**

- **Format**: 2080 mm × 1030 mm × 35 mm (including frame)
- **Weight**: 24.5 kg
- **Front Cover**: 3.2 mm thermally pre-stressed glass with anti-reflection technology
- **Back Cover**: Composite film
- **Frame**: Anodised aluminium
- **Cell**: 6 × 24 monocrystalline Q.ANTUM solar cells
- **Junction Box**: 53-101 mm × 32-60 mm × 15-18 mm
- **Connector**: Stäubli MC4, Hanwha Q CELLS HQC4, Amphenol UTX
- **Cable**: 4 mm² Solar cable; (+) ≥ 1400 mm, (−) ≥ 1400 mm
- **Back Cover**: Composite film
- **Connector**: Staubli MC4, Hanwha Q CELLS HQC4, Amphenol UTX, Renhe 05-6, Tongling TL-Cable01S, JMTHY JM601; IP68 or Friends PV2e, IP67

**ELECTRICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>POWER CLASS</th>
<th>405</th>
<th>410</th>
<th>415</th>
<th>420</th>
<th>425</th>
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<tbody>
<tr>
<td>Power at MPP</td>
<td>303.1</td>
<td>306.9</td>
<td>310.6</td>
<td>314.4</td>
<td>318.1</td>
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<tr>
<td>Short Circuit Current</td>
<td>8.58</td>
<td>8.62</td>
<td>8.65</td>
<td>8.69</td>
<td>8.73</td>
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<tr>
<td>Open Circuit Voltage</td>
<td>45.38</td>
<td>45.62</td>
<td>45.86</td>
<td>45.88</td>
<td>45.13</td>
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<tr>
<td>Current at MPP</td>
<td>10.14</td>
<td>10.18</td>
<td>10.23</td>
<td>10.27</td>
<td>10.32</td>
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<tr>
<td>Voltage at MPP</td>
<td>39.95</td>
<td>40.27</td>
<td>40.58</td>
<td>40.89</td>
<td>41.20</td>
</tr>
</tbody>
</table>

**Q CELLS PERFORMANCE WARRANTY**

- At 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 organisation of your respective country.

**TEMPERATURE COEFFICIENTS**

| Temperature Coefficient of I_{SC} | α [%/K] | +0.04 |
| Temperature Coefficient of V_{OC} | β [%/K] | −0.27 |
| Temperature Coefficient of P_{MPP} | γ [%/K] | −0.36 |

**PROPERTIES FOR SYSTEM DESIGN**

| Maximum System Voltage | V_{SYS} [V] | 1000 (IEC)/1000 (UL) |
| PV module classification | Class II |
| Maximum Reverse Current | I_{s} [A] | 20 |
| Permitted Module Temperature on Continuous Duty | −40°C ~ +85°C |

**QUALIFICATIONS AND CERTIFICATES**

- **IEC 61215:2016; IEC 61730:2016**
- This data sheet complies with DIN EN 50380.

**PACKAGING INFORMATION**

- **Number of Modules per Pallet**: 30
- **Number of Pallets per Trailer (241)**: 24
- **Number of Pallets per 40’ HC-Container (26 t)**: 22
- **Pallet Dimensions (L × W × H)**: 2131 × 1130 × 1200 mm
- **Pallet Weight**: 788 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.