Q.PEAK DUO BLK-G10+ SERIES

350 - 370 Wp | 120 Cells
20.6% Maximum Module Efficiency

MODEL Q.PEAK DUO BLK-G10+

Breaking the 20% efficiency barrier
Q.ANTUM DUO Z Technology with zero gap cell layout boosts module efficiency up to 20.6%.

A reliable investment

Enduring high performance
Long-term yield security with Anti LeTID Technology, Anti PID Technology, Hot-Spot Protect.

Extreme weather rating
High-tech aluminium alloy frame, certified for high snow (8100 Pa) and wind loads (4000 Pa).

Innovative all-weather technology
Optimal yields, whatever the weather with excellent low-light and temperature behaviour.

The most thorough testing programme in the industry
Qcells is the first solar module manufacturer to pass the most comprehensive quality programme in the industry: The new “Quality Controlled PV” of the independent certification institute TÜV Rheinland.

1 See data sheet on rear for further information.
2 APT test conditions according to IEC/TS 62804-1:2015, method A (−1500 V, 96 h)

The ideal solution for:
Rooftop arrays on residential buildings
**Q.PEAK DUO BLK-G10+ SERIES**

- **Mechanical Specification**
  - **Format**: 67.6 in × 41.1 in × 1.26 in (including frame)
  - **Weight**: 43.8 lbs (19.9 kg)
  - **Front Cover**: 0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology
  - **Back Cover**: Composite film
  - **Frame**: Black anodised aluminium
  - **Cell**: 6 × 20 monocrystalline Q.ANTUM solar half cells
  - **Junction box**: 6 × 20 monocrystalline Q.ANTUM solar half cells
  - **Cable**: 4 mm² Solar cable; (+) ≥ 45.3 in (1150 mm), (−) ≥ 45.3 in (1150 mm)
  - **Connector**: Stäubli MC4; IP68

- **Electrical Characteristics**

  **POWER CLASS**
<table>
<thead>
<tr>
<th>350</th>
<th>355</th>
<th>360</th>
<th>365</th>
<th>370</th>
</tr>
</thead>
<tbody>
<tr>
<td>P_{	ext{MPP}} [W]</td>
<td>350</td>
<td>355</td>
<td>360</td>
<td>365</td>
</tr>
<tr>
<td>I_{	ext{sc}} [A]</td>
<td>10.97</td>
<td>11.00</td>
<td>11.04</td>
<td>11.07</td>
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<tr>
<td>V_{	ext{oc}} [V]</td>
<td>33.76</td>
<td>34.03</td>
<td>34.31</td>
<td>34.58</td>
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<tr>
<td>Efficiency [%]</td>
<td>≥ 19.5</td>
<td>≥ 19.8</td>
<td>≥ 20.1</td>
<td>≥ 20.3</td>
</tr>
</tbody>
</table>

  **MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC**
  - **Power at MPP**: 350 W
  - **Short Circuit Current**: 10.97 A
  - **Open Circuit Voltage**: 33.76 V
  - **Current at MPP**: 10.37 A
  - **Voltage at MPP**: 33.76 V

  **MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT**
  - **Power at MPP**: 262.6 W
  - **Short Circuit Current**: 8.84 A
  - **Open Circuit Voltage**: 38.77 V
  - **Current at MPP**: 8.14 A
  - **Voltage at MPP**: 32.24 V

  *Measurement tolerances P_{	ext{MPP}} ± 3%, I_{	ext{sc}} ± 5% at STC: 1000 W/m², 25 ± 2°C, AM 1.5 according to IEC 60904-3. 
  **Performance at Low Irradiance**

  Typical module performance under low irradiance conditions in comparison to STC conditions (25°C, 1000 W/m²).

- **Qcells PERFORMANCE WARRANTY**
  - At least 98% of nominal power during first year. The first-year max. 0.5% degradation per year. At least 93.5% of nominal power up to 10 years. At least 86% of nominal power up to 25 years.

- **Properties for System Design**
  - **Maximum System Voltage**: V_{sys} [V]
  - **Maximum Series Fuse Rating**: [A DC]
  - **Max. Design Load, Push/Pull**: [lbs/ft²]
  - **Max. Test Load, Push/Pull**: [lbs/ft²]

- **Qualifications and Certificates**
  - **Quality Controlled PV - TÜV Rheinland**
  - **IEC 61215:2016**
  - **IEC 61730:2016**

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Qcells pursues minimizing paper output in consideration of the global environment.

Note: Installation instructions must be followed. Contact our technical service for further information on approved installation of this product.