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 (−150V, 96h)
**Q.PEAK DUO BLK-G10+ SERIES**

### Mechanical Specification

- **Format**: 676 in × 411 in × 1.26 in (including frame) (1707 mm × 1045 mm × 32 mm)
- **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**: Stäubli MC4; IP68
- **Cable**: 4 mm² Solar cable; (+) ≥ 45.3 in (1150 mm), (−) ≥ 45.3 in (1150 mm)
- **Connector**: Staubli MC4, IP68

### Electrical Characteristics

**POWER CLASS**

<table>
<thead>
<tr>
<th>Power at MPP²</th>
<th>350</th>
<th>355</th>
<th>360</th>
<th>365</th>
<th>370</th>
</tr>
</thead>
<tbody>
<tr>
<td>P_{MPP} [W]</td>
<td>262.6</td>
<td>266.3</td>
<td>270.1</td>
<td>273.8</td>
<td>277.6</td>
</tr>
<tr>
<td>Short Circuit Current³</td>
<td>8.84</td>
<td>8.87</td>
<td>8.89</td>
<td>8.92</td>
<td>8.95</td>
</tr>
<tr>
<td>Open Circuit Voltage³</td>
<td>38.77</td>
<td>38.80</td>
<td>38.83</td>
<td>38.86</td>
<td>38.90</td>
</tr>
<tr>
<td>Current at MPP³</td>
<td>8.14</td>
<td>8.20</td>
<td>8.26</td>
<td>8.31</td>
<td>8.37</td>
</tr>
<tr>
<td>Voltage at MPP³</td>
<td>32.24</td>
<td>32.48</td>
<td>32.71</td>
<td>32.94</td>
<td>33.17</td>
</tr>
</tbody>
</table>

**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. Thereafter 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.

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

### Properties for System Design

**Maximum System Voltage**

<table>
<thead>
<tr>
<th>V_{sys} [V]</th>
<th>1000 (IEC)/1000 (UL)</th>
</tr>
</thead>
</table>

**Maximum Series Fuse Rating**

<table>
<thead>
<tr>
<th>A (DC)</th>
<th>20</th>
</tr>
</thead>
</table>

**Max. Design Load, Push/Pull²**

<table>
<thead>
<tr>
<th>lbs/ft²</th>
<th>113 (5400 Pa)/55 (2660 Pa)</th>
</tr>
</thead>
</table>

**Max. Test Load, Push/Pull²**

<table>
<thead>
<tr>
<th>lbs/ft²</th>
<th>169 (8100 Pa)/84 (4000 Pa)</th>
</tr>
</thead>
</table>

² See Installation Manual

### Qualifications and Certificates

- This data sheet complies with DIN EN 50380.0

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.