Q.ANTUM TECHNOLOGY: LOW LEVELISED COST OF ELECTRICITY
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 (4000 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.

\(^1\) 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.

Q.PEAK DUO-G6
340-355
ENDURING HIGH PERFORMANCE

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

Engineered in Germany
### MECHANICAL SPECIFICATION

**Format**  
1740 mm × 1030 mm × 32 mm (including frame)

**Weight**  
19.9 kg

**Front Cover**  
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**  
53-101 mm × 32-60 mm × 15-18 mm
Protection class IP67, with bypass diodes

**Cable**  
4 mm² Solar cable; (+) ≥ 1150 mm, (−) ≥ 1150 mm

**Connector**  
Stäubli MC4, Hanwha Q CELLS HQC4, Amphenol UTX, Renhe 05-6, Tongling TL-Cable01S, JMTHY JM601; IP68 or Friends PV2e; IP67

**Weight**  
67.8 kg

**Packaging Information**

- Pallet Dimensions (L × W × H): 1791 × 1130 × 1200 mm
- Number of Modules per Pallet: 32
- Pallet Weight: 681 kg

**Specifications subject to technical changes © Q CELLS**

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### ELECTRICAL CHARACTERISTICS

#### POWER CLASS

<table>
<thead>
<tr>
<th>Power at MPP¹</th>
<th>340</th>
<th>345</th>
<th>350</th>
<th>355</th>
</tr>
</thead>
<tbody>
<tr>
<td>P&lt;sub&gt;MP&lt;/sub&gt; [W]</td>
<td>340</td>
<td>345</td>
<td>350</td>
<td>355</td>
</tr>
</tbody>
</table>

#### MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC (POWER TOLERANCE +5 W / –0 W)

<table>
<thead>
<tr>
<th>Power at MPP¹</th>
<th>340</th>
<th>345</th>
<th>350</th>
<th>355</th>
</tr>
</thead>
<tbody>
<tr>
<td>P&lt;sub&gt;MP&lt;/sub&gt; [W]</td>
<td>254.5</td>
<td>258.2</td>
<td>261.9</td>
<td>265.7</td>
</tr>
</tbody>
</table>

#### MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT²

<table>
<thead>
<tr>
<th>Power at MPP²</th>
<th>340</th>
<th>345</th>
<th>350</th>
<th>355</th>
</tr>
</thead>
<tbody>
<tr>
<td>P&lt;sub&gt;MP&lt;/sub&gt; [W]</td>
<td>254.5</td>
<td>258.2</td>
<td>261.9</td>
<td>265.7</td>
</tr>
</tbody>
</table>

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**TEMPERATURE COEFFICIENTS**

<table>
<thead>
<tr>
<th>Temperature Coefficient of ISC</th>
<th>α [% / K]</th>
<th>+0.04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Coefficient of VOC</td>
<td>β [% / K]</td>
<td>−0.27</td>
</tr>
<tr>
<td>Temperature Coefficient of P&lt;sub&gt;MP&lt;/sub&gt;</td>
<td>γ [% / K]</td>
<td>−0.36</td>
</tr>
</tbody>
</table>

**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.

**Q CELLS PERFORMANCE WARRANTY**

**PERFORMANCE AT LOW IRRADIANCE**

![Graph showing performance at low irradiance conditions compared to STC conditions (25°C, 1000 W/m²).]

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

**PROPERTIES FOR SYSTEM DESIGN**

<table>
<thead>
<tr>
<th>Maximum System Voltage V&lt;sub&gt;Sc&lt;/sub&gt; [V]</th>
<th>1000 (IEC)/1000 (UL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Reverse Current I&lt;sub&gt;r&lt;/sub&gt; [A]</td>
<td>20</td>
</tr>
<tr>
<td>Max. Design Load, Push / Pull [Pa]</td>
<td>3600/2667</td>
</tr>
<tr>
<td>Max. Test Load, Push / Pull [Pa]</td>
<td>5400/4000</td>
</tr>
</tbody>
</table>

**PV module classification**

Class II

<table>
<thead>
<tr>
<th>Fire Rating based on ANSI/UL 1703</th>
<th>C / TYPE 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permitted Module Temperature on Continuous Duty</td>
<td>−40°C - +85°C</td>
</tr>
</tbody>
</table>

**QUALIFICATIONS AND CERTIFICATES**

- Industry standard for tiered warranties *
- Industry standard for linear warranties *
- Q CELLS
- Worldwide sales organisation
- This data sheet complies with DIN EN 50380.

**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.