Q.PEAK DUO BLK-G8+
335-350
ENDURING HIGH PERFORMANCE

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 19.8%.

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 Technology¹, Hot-Spot Protect and Traceable Quality Tra.Q™.

EXTREME WEATHER RATING
High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).

A RELIABLE INVESTMENT
Inclusive 25-year product warranty and 25-year linear performance warranty².

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.

THE IDEAL SOLUTION FOR:
Rooftop arrays on residential buildings

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, IP68

**Connector**

Stäubli MC4, IP68

**PERFORMANCE AT LOW IRRADIANCE**

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 with the warranty terms of the Q CELLS sales organisation of your respective country.

### ELECTRICAL CHARACTERISTICS

#### POWER CLASS

<table>
<thead>
<tr>
<th>335</th>
<th>340</th>
<th>345</th>
<th>350</th>
</tr>
</thead>
<tbody>
<tr>
<td>P_{MPP} [W]</td>
<td>250.9</td>
<td>254.6</td>
<td>258.4</td>
</tr>
<tr>
<td>I_{SC} [A]</td>
<td>8.33</td>
<td>8.38</td>
<td>8.42</td>
</tr>
<tr>
<td>V_{OC} [V]</td>
<td>38.13</td>
<td>38.38</td>
<td>38.62</td>
</tr>
<tr>
<td>I_{MP} [A]</td>
<td>7.75</td>
<td>7.79</td>
<td>7.84</td>
</tr>
<tr>
<td>V_{MP} [V]</td>
<td>32.36</td>
<td>32.67</td>
<td>32.97</td>
</tr>
</tbody>
</table>

#### TEMPERATURE COEFFICIENTS

| α [% / K] | +0.04 |
| β [% / K] | −0.27 |
| γ [% / K] | −0.35 |

#### PROPERTIES FOR SYSTEM DESIGN

- **Maximum System Voltage** V_{STC} [V]: 1000
- **PV module classification** Class II
- **Fire Rating based on ANSI / UL 61730** C / TYPE 2
- **Permitted Module Temperature on Continuous Duty** −40 °C - +85 °C
- **Max. Test Load, Push / Pull** [Pa]: 3600 / 2667
- **Max. Test Load, Push / Pull** [Pa]: 5400 / 4000

### QUALIFICATIONS AND CERTIFICATES

#### PACKAGING INFORMATION

<table>
<thead>
<tr>
<th>Horizontal packaging</th>
<th>Vertical packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>1780 mm</td>
<td>1815 mm</td>
</tr>
<tr>
<td>1080 mm</td>
<td>1150 mm</td>
</tr>
<tr>
<td>1208 mm</td>
<td>1220 mm</td>
</tr>
<tr>
<td>673.8 kg</td>
<td>683 kg</td>
</tr>
<tr>
<td>28 pallets</td>
<td>28 pallets</td>
</tr>
<tr>
<td>26 pallets</td>
<td>24 pallets</td>
</tr>
<tr>
<td>32 modules</td>
<td>32 modules</td>
</tr>
</tbody>
</table>

**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. Q CELLS supplies solar modules in two different stacking methods, depending on the location of manufacture (modules are packed horizontally or vertically). You can find more detailed information in the document "Packaging and Transport Information", available from Q CELLS.

Hanwha Q CELLS GmbH
Sonnenallee 17-21, 06766 Bitterfeld-Wolfen, Germany | TEL +49 (0)3494 66 99-23444 | FAX +49 (0)3494 66 99-23000 | EMAIL sales@q-cells.com | WEB www.q-cells.com