**Q.PEAK DUO-G6+ 345-355**

**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 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\(^\text{TM}\).

**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 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.
### 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

### ELECTRICAL CHARACTERISTICS

#### POWER CLASS

<table>
<thead>
<tr>
<th>Class</th>
<th>345</th>
<th>350</th>
<th>355</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power at MPP(^\text{a})</td>
<td>P(_{\text{mpp}}) [W]</td>
<td>345</td>
<td>350</td>
</tr>
<tr>
<td>Short Circuit Current(^\text{a})</td>
<td>I(_{\text{sc}}) [A]</td>
<td>10.73</td>
<td>10.79</td>
</tr>
<tr>
<td>Open Circuit Voltage(^\text{a})</td>
<td>V(_{\text{oc}}) [V]</td>
<td>40.49</td>
<td>40.73</td>
</tr>
<tr>
<td>Current at MPP</td>
<td>I(_{\text{mp}}) [A]</td>
<td>10.22</td>
<td>10.27</td>
</tr>
<tr>
<td>Voltage at MPP</td>
<td>V(_{\text{mp}}) [V]</td>
<td>33.76</td>
<td>34.07</td>
</tr>
<tr>
<td>Efficiency(^\text{a})</td>
<td>η [%]</td>
<td>≥ 19.3</td>
<td>≥ 19.5</td>
</tr>
</tbody>
</table>

#### 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. Full warranties in accordance with the warranty terms of the Q CELLS sales organisation of your respective country.

### QUALIFICATIONS AND CERTIFICATES

- This data sheet complies with DIN EN 50380.

### PROPERTIES FOR SYSTEM DESIGN

- **Maximum System Voltage**: V\(_{\text{oc}}\) [V] 1000
- **PV module classification**: Class II
- **Maximum Reverse Current**: I\(_{\text{ir}}\) [A] 20
- **Fire Rating based on ANSI / UL 1703**: C / TYPE 2
- **Max. Design Load, Push / Pull**: [Pa] 3600 / 2667
- **Permitted Module Temperature on Continuous Duty**: −40°C - +85°C
- **Max. Test Load, Push / Pull**: [Pa] 5400 / 4000

### PACKAGING INFORMATION

- **Number of Modules per Pallet**: 32
- **Number of Pallets per Trailer (24)\(^\text{b}\)**: 28
- **Number of Pallets per 40’ HC-Container (261)\(^\text{b}\)**: 24
- **Pallet Dimensions (L × W × H)**: 1815 × 1150 × 1220 mm
- **Pallet Weight**: 683 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.

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

*Standard term of guarantee for the 10 PV companies with the highest production capacity in 2014 (as at: September 2014)