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 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 12-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
- Rooftop arrays on commercial/industrial buildings

Engineered in Germany
### ELECTRICAL CHARACTERISTICS

**POWER CLASS**

<table>
<thead>
<tr>
<th>MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC: (POWER TOLERANCE +5W / –0W)</th>
<th>340</th>
<th>345</th>
<th>350</th>
<th>355</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power at MPP&lt;sup&gt;1&lt;/sup&gt;</td>
<td>P&lt;sub&gt;MP&lt;/sub&gt;</td>
<td>[W]</td>
<td>340</td>
<td>345</td>
</tr>
<tr>
<td>Short Circuit Current&lt;sup&gt;1&lt;/sup&gt;</td>
<td>I&lt;sub&gt;SC&lt;/sub&gt;</td>
<td>[A]</td>
<td>10.68</td>
<td>10.73</td>
</tr>
<tr>
<td>Open Circuit Voltage&lt;sup&gt;1&lt;/sup&gt;</td>
<td>V&lt;sub&gt;OC&lt;/sub&gt;</td>
<td>[V]</td>
<td>40.24</td>
<td>40.49</td>
</tr>
<tr>
<td>Current at MPP</td>
<td>I&lt;sub&gt;MP&lt;/sub&gt;</td>
<td>[A]</td>
<td>10.16</td>
<td>10.22</td>
</tr>
<tr>
<td>Voltage at MPP</td>
<td>V&lt;sub&gt;MP&lt;/sub&gt;</td>
<td>[V]</td>
<td>33.45</td>
<td>33.76</td>
</tr>
<tr>
<td>Efficiency&lt;sup&gt;1&lt;/sup&gt;</td>
<td>η</td>
<td>[%]</td>
<td>≥19.0</td>
<td>≥19.3</td>
</tr>
</tbody>
</table>

**MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT<sup>1</sup>**

| Power at MPP | P<sub>MP</sub> | [W] | 254.5 | 258.2 | 261.9 | 266.7 |
| Short Circuit Current | I<sub>SC</sub> | [A] | 8.60 | 8.65 | 8.69 | 8.74 |
| Open Circuit Voltage | V<sub>OC</sub> | [V] | 37.94 | 38.17 | 38.41 | 38.65 |
| Current at MPP | I<sub>MP</sub> | [A] | 8.00 | 8.04 | 8.09 | 8.13 |
| Voltage at MPP | V<sub>MP</sub> | [V] | 31.61 | 32.10 | 32.40 | 32.69 |

<sup>1</sup>Measurement tolerances P<sub>MP</sub> ±3%; I<sub>SC</sub>; V<sub>OC</sub> ±5% at STC: 1000 W/m², 25 ±2 °C, AM 1.5 G according to IEC 60904-3 • 800 W/m², NMOT, spectrum AM 1.5 G

### Q CELLS PERFORMANCE WARRANTY

**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.

### TEMPERATURE COEFFICIENTS

- Temperature Coefficient of I<sub>SC</sub> α [%/K] +0.04
- Temperature Coefficient of V<sub>OC</sub> β [%/K] -0.27
- Temperature Coefficient of P<sub>MP</sub> γ [%/K] -0.36

### PROPERTIES FOR SYSTEM DESIGN

- Maximum System Voltage V<sub>DC</sub> [V] 1000
- Safety Class II
- Maximum Reverse Current I<sub>L</sub> [A] 20
- permitted module temperature on continuous duty
- ±40 °C - +85 °C
- Max. Design Load, Push / Pull [Pa] 3600/2667
- Max. Test Load, Push / Pull [Pa] 5400/4000

### QUALIFICATIONS AND CERTIFICATES

- VDE Quality Tested, IEC 61215:2016; IEC 61730:2016, Application Class II
- This data sheet complies with DIN EN 50380
- Specifications subject to technical changes © Q CELLS Q.PEAK DUO-G6_340-355_2019-03_Rev01_EN

### PACKAGING INFORMATION

- Number of Modules per Pallet 32
- Number of Pallets per Trailer (241) 28
- Number of Pallets per 40’ HC-Container (261) 24
- Pallet Dimensions (L × W × H) 1815 × 1150 × 1190 mm
- Pallet Weight 683 kg

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Engineered in Germany