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 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
- Rooftop arrays on commercial/industrial buildings
- Ground-mounted solar power plants

Engineered in Germany

www.VDEinfo.com
ID. 40032587

Quality Tested
high reliability
low degradation
optimized durability
continuous line monitoring

Q.PEAK DUO-G6+
345-355
ENDURING HIGH PERFORMANCE
**MECHANICAL SPECIFICATION**

Format: 1740 mm x 1030 mm x 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 x 20 monocrystalline Q.ANTUM solar half cells
Junction box: 53-101 mm x 32-60 mm x 15-18 mm Protection class IP67, with bypass diodes
Cable: 4 mm² Solar cable; (+) ≥1150 mm, (-) ≥1150 mm
Connector: Stäubli MC4, IP68

**ELECTRICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>POWER CLASS</th>
<th>345</th>
<th>350</th>
<th>355</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Performance at Standard Test Conditions, STC: (Power Tolerance +5 W / −0 W)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power at MPP</td>
<td>P_{SC} [W]</td>
<td>345</td>
<td>350</td>
</tr>
<tr>
<td>Short Circuit Current</td>
<td>I_{SC} [A]</td>
<td>10.73</td>
<td>10.79</td>
</tr>
<tr>
<td>Open Circuit Voltage</td>
<td>V_{OC} [V]</td>
<td>40.49</td>
<td>40.73</td>
</tr>
<tr>
<td>Current at MPP</td>
<td>I_{MP} [A]</td>
<td>10.22</td>
<td>10.27</td>
</tr>
<tr>
<td>Voltage at MPP</td>
<td>V_{MP} [V]</td>
<td>33.76</td>
<td>34.07</td>
</tr>
<tr>
<td>Efficiency</td>
<td>η [%]</td>
<td>≥19.3</td>
<td>≥19.5</td>
</tr>
</tbody>
</table>

| Minimum Performance at Normal Operating Conditions, NMOT |
| Power at MPP | P_{SC} [W] | 258.2 | 261.9 | 266.7 |
| Short Circuit Current | I_{SC} [A] | 8.65 | 8.69 | 8.74 |
| Open Circuit Voltage | V_{OC} [V] | 38.17 | 38.41 | 38.65 |
| Current at MPP | I_{MP} [A] | 8.04 | 8.09 | 8.13 |
| Voltage at MPP | V_{MP} [V] | 32.10 | 32.40 | 32.69 |

| 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 15 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_{SC} | α [% / K] | +0.04

Temperature Coefficient of V_{OC} | β [% / K] | −0.27

Temperature Coefficient of P_{MPV} | γ [% / K] | −0.36

Nominal Module Operating Temperature, NMOT [°C] = 43 ± 3

**PROPERTIES FOR SYSTEM DESIGN**

Maximum System Voltage | V_{DC} [V] | 1000

PV module classification, Class II

Maximum Reverse Current | I_{R} [A] | 20

Fire Rating based on ANSI / UL 61730 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

**QUALIFICATIONS AND CERTIFICATES**

**PACKAGING INFORMATION**

Specifications subject to technical changes © Q CELLS 2020-05_Rev-EN

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Engineered in Germany