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 20.4%.

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, 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

STATE OF THE ART MODULE TECHNOLOGY
Q.ANTUM DUO combines cutting edge cell separation and innovative wiring with Q.ANTUM Technology.

Q.ANTUM DUO-G8+
340-360
ENDURING HIGH PERFORMANCE

THE IDEAL SOLUTION FOR:
- Rooftop arrays on residential buildings
- Rooftop arrays on commercial/industrial buildings

Engineered in Germany
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

PACKAGING INFORMATION

I 37.91
350
53-101 mm × 32-60 mm × 15-18 mm
I 33.61
355
34.85
Stäubli MC4; IP68

ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>POWER CLASS</th>
<th>340</th>
<th>345</th>
<th>350</th>
<th>355</th>
<th>360</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Power at MPP P_MPP [W]</td>
<td>340</td>
<td>345</td>
<td>350</td>
<td>355</td>
<td>360</td>
</tr>
<tr>
<td>Short Circuit Current I_SC [A]</td>
<td>10.63</td>
<td>10.68</td>
<td>10.74</td>
<td>10.79</td>
<td>10.84</td>
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<tr>
<td>Open Circuit Voltage V_OC [V]</td>
<td>40.20</td>
<td>40.45</td>
<td>40.70</td>
<td>40.95</td>
<td>41.19</td>
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<tr>
<td>Current at MPP I_MPP [A]</td>
<td>10.12</td>
<td>10.17</td>
<td>10.22</td>
<td>10.28</td>
<td>10.33</td>
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<tr>
<td>Voltage at MPP V_MPP [V]</td>
<td>33.61</td>
<td>33.92</td>
<td>34.24</td>
<td>34.55</td>
<td>34.85</td>
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<tr>
<td>Efficiency [%]</td>
<td>≥19.0</td>
<td>≥19.3</td>
<td>≥19.5</td>
<td>≥19.8</td>
<td>≥20.1</td>
</tr>
</tbody>
</table>

MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT

| Minimum Power at MPP P_MPP [W] | 254.6 | 258.4 | 262.1 | 265.9 | 269.6 |
| Short Circuit Current I_SC [A] | 8.56 | 8.61 | 8.65 | 8.69 | 8.74 |
| Open Circuit Voltage V_OC [V] | 37.91 | 38.14 | 38.38 | 38.61 | 38.85 |
| Current at MPP I_MPP [A] | 7.96 | 8.00 | 8.05 | 8.09 | 8.13 |
| Voltage at MPP V_MPP [V] | 31.98 | 32.28 | 32.57 | 32.87 | 33.16 |

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_SC α [%/K] | +0.04 |
| Temperature Coefficient of V_OC β [%/K] | −0.27 |
| Temperature Coefficient of P_MPP γ [%/K] | −0.35 |

PROPERTIES FOR SYSTEM DESIGN

| Maximum System Voltage V_OC [V] | 1000 |
| Maximum Reverse Current I_SC [A] | 20 |
| Max. Design Load, Push / Pull P_eff [Pa] | 3600 / 2667 |
| Max. Test Load, Push / Pull P_eff [Pa] | 5400 / 4000 |

QUALIFICATIONS AND CERTIFICATES

| VDE Quality Tested, IEC 61730:2016, EN 50380 |

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Engineered in Germany

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.

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