Q.PEAK DUO-G5
315-335
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 20.2%.

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\(^{TM}\).

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 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.

THE IDEAL SOLUTION FOR:
- Rooftop arrays on residential buildings
- Rooftop arrays on commercial/industrial buildings
- Ground-mounted solar power plants

Engineered in Germany
### MECHANICAL SPECIFICATION

**Format**  
1685 mm × 1000 mm × 32 mm (including frame)

**Weight**  
18.7 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**  
6 × 20 monocrystalline Q.ANTUM solar half cells

**Connector**  
Stäubli MC4, Hanwha Q CELLS HQC4, Amphenol UTX

**Max. Design Load, Push / Pull Permitted Module Temperature**  
Maximum Reverse Current: $I_m$ [A]  
Open Circuit Voltage: $V_{OC}$ [V]  
Current at MPP: $I_{MP}$ [A]  
Voltage at MPP: $V_{MP}$ [V]  
Efficiency: $\eta$ [%]

**Minimum Performance at Standard Test Conditions, STC**  
Power at MPP: $P_{MP}$ [W]

**Minimum Performance at Normal Operating Conditions, NMOT**  
Power at MPP: $P_{MP}$ [W]

**Electrical Characteristics**

<table>
<thead>
<tr>
<th>Power at MPP [W]</th>
<th>315</th>
<th>320</th>
<th>325</th>
<th>330</th>
<th>335</th>
</tr>
</thead>
<tbody>
<tr>
<td>$I_{SC}$ [A]</td>
<td>10.04</td>
<td>10.09</td>
<td>10.14</td>
<td>10.20</td>
<td>10.25</td>
</tr>
<tr>
<td>$V_{OC}$ [V]</td>
<td>39.87</td>
<td>40.13</td>
<td>40.40</td>
<td>40.66</td>
<td>40.92</td>
</tr>
<tr>
<td>$V_{MP}$ [V]</td>
<td>32.98</td>
<td>33.32</td>
<td>33.65</td>
<td>33.98</td>
<td>34.31</td>
</tr>
<tr>
<td>Efficiency $\eta$ [%]</td>
<td>≥ 18.7</td>
<td>≥ 19.0</td>
<td>≥ 19.3</td>
<td>≥ 19.6</td>
<td>≥ 19.9</td>
</tr>
</tbody>
</table>

**TEMPERATURE COEFFICIENTS**

- $\alpha$ [% / K] $\geq 0.04$
- $\beta$ [% / K] $\leq 0.27$
- $\gamma$ [% / K] $\leq 0.36$

**Q CELLS PERFORMANCE WARRANTY**

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 25 years. At least 85 % of nominal power up to 10 years. At least 93.1 % 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.

**Q.PEAK DUO-G5_QD_315-335_Global_2020-02_Rev01_EN**

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Specifications subject to technical changes.

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.

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