Q.PEAK DUO-G7
325-335
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™.

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

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 IP67, with bypass diodes
Cable | 4 mm² Solar cable; (+) ≥ 1100 mm, (-) ≥ 1100 mm
Connector | Staubli MC4, Hanwha Q CELLS HQC4, Amphenol UTX, Renhe 05-6, Tongil-Cable01S, JMT-HY, JM601, IP68 or Friends PV2e, IP67

PACKAGING INFORMATION

Number of Modules per Pallet | 32
Number of Pallets per Trailer (24t) | 30
Number of Pallets per 40' HC-Container (26 t) | 26
Pallet Dimensions (L × W × H) | 1745 × 1130 × 1170 mm
Pallet Weight | 639 kg

ELECTRICAL CHARACTERISTICS

POWER CLASS

<table>
<thead>
<tr>
<th>325</th>
<th>330</th>
<th>335</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Performance at Standard Test Conditions, STC (Power Tolerance +5 W / -0 W)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power at MPP</td>
<td>P_mpp [W]</td>
<td>325</td>
</tr>
<tr>
<td>Short Circuit Current</td>
<td>I_{sc} [A]</td>
<td>10.10</td>
</tr>
<tr>
<td>Open Circuit Voltage</td>
<td>V_{oc} [V]</td>
<td>40.36</td>
</tr>
<tr>
<td>Current at MPP</td>
<td>I_{mp} [A]</td>
<td>9.61</td>
</tr>
<tr>
<td>Voltage at MPP</td>
<td>V_{mp} [V]</td>
<td>33.81</td>
</tr>
<tr>
<td>Efficiency</td>
<td>η [%]</td>
<td>≥ 19.3</td>
</tr>
</tbody>
</table>

Minimum Performance at Normal Operating Conditions, NMOT

| Power at MPP | P_mpp [W] | 243.4 | 247.1 | 250.9 |
| Short Circuit Current | I_{sc} [A] | 8.14 | 8.18 | 8.22 |
| Open Circuit Voltage | V_{oc} [V] | 38.06 | 38.31 | 38.55 |
| Current at MPP | I_{mp} [A] | 7.57 | 7.61 | 7.65 |
| Voltage at MPP | V_{mp} [V] | 32.17 | 32.48 | 32.79 |

1Measurement tolerances P_mpp ± 3 %, I_{sc}, V_{oc} ± 5 % at STC: 1000 W/m², 25 ±2 °C, AM 1.5 according to IEC 60904-3 • +800 W/m², NMOT; spectrum AM 1.5

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

NIQ CELLS

PROPERTY FOR SYSTEM DESIGN

Maximum System Voltage | V_{sys} [V] | 1000 (IEC)/ 1000 (UL) |
PV module classification | Class II |
Maximum Reverse Current | I_{sys} [A] | 20 |
Fire Rating based on ANSI/UL 1703 | C / TYPE 2 |
Max. Design Load, Push / Pull (Po) | 3600/2667 |
Permitted Module Temperature on Continuous Duty | -40°C - +85°C |
Max. Test Load, Push / Pull (Po) | 5400/4000 |

QUALIFICATIONS AND CERTIFICATES

VDE Quality Tested, IEC 61215:2016; IEC 61730:2016; This data sheet complies with DIN EN 50380.

Packaging Information

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

Engineered in Germany