Q.PEAK DUO XL-G11 SERIES

570 - 585 Wp  |  156 Cells
21.4% Maximum Module Efficiency

MODEL  Q.PEAK DUO XL-G11.3 / BFG

Bifacial energy yield gain of up to 20%
Bifacial Q.ANTUM solar cells make efficient use of light shining on the module rear-side for radically improved LCOE.

Low electricity generation costs
Q.ANTUM DUO Z combines cutting edge cell separation and innovative wiring with Q.ANTUM Technology for higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 21.4%.

A reliable investment
Double glass module design enables extended lifetime with 12-year product warranty and improved 30-year performance warranty.

Enduring high performance
Long-term yield security with Anti LeTID and Anti PiD Technology, Hot-Spot Protect.

Frame for versatile mounting options
High-tech aluminum alloy frame protects from damage, enables use of a wide range of mounting structures and is certified regarding IEC for high snow (5400 Pa) and wind loads (2400 Pa).

Innovative all-weather technology
Optimal yields, whatever the weather with excellent low-light and temperature behavior.

1 See data sheet on rear for further information.

2 APT test conditions according to IEC/TS 62884-1:2015 method B (−1500V, 168h) including post treatment according to IEC 61215-1 Ed. 2.0 (CD)
Q.PEAK DUO XL-G11 SERIES

Mechanical Specification

- **Format**: 95.1 in x 44.7 in x 1.38 in (including frame) (2416 mm x 114 mm x 35 mm)
- **Weight**: 75.8 lbs (34.4 kg)
- **Front Cover**: 0.08 in (2 mm) thermally pre-stressed glass with anti-reflection technology
- **Back Cover**: 0.08 in (2 mm) semi-tempered glass
- **Frame**: Anodised aluminium
- **Cell**: 6 x 26 monocrystalline Q.ANTUM solar half cells
- **Junction box**: 2.09-3.98 in x 126.2 x 3.6 in (52-101 mm x 32-60 mm x 15-18 mm), Protection class IP67, with bypass diodes
- **Cable**: 4 mm² Solar cable; (1) ≥ 29.5 in (750 mm), (2) ≥ 13.8 in (350 mm)
- **Connector**: Stäubli MC4, Stäubli MC4-Evo2, - IP68 Connector

Electrical Characteristics

**POWER CLASS**

<table>
<thead>
<tr>
<th>Power at MPP²</th>
<th>PSTC²</th>
<th>PSTC²</th>
<th>PSTC²</th>
<th>PSTC²</th>
</tr>
</thead>
<tbody>
<tr>
<td>[W]</td>
<td>570</td>
<td>623.5</td>
<td>575</td>
<td>629.0</td>
</tr>
<tr>
<td>[V]</td>
<td>53.50</td>
<td>53.69</td>
<td>53.63</td>
<td>53.72</td>
</tr>
<tr>
<td>[%]</td>
<td>≥ 20.8</td>
<td>≥ 21.0</td>
<td>≥ 21.2</td>
<td>≥ 21.4</td>
</tr>
</tbody>
</table>

Bifacility of P_{mpp} and I_{sc}, 70 % ± 5 % • Bifacility given for rear side irradiation on top of STC (front side) • According to IEC 60904-1-2

Minimum Performance at Standard Test Conditions, STC¹ (Power Tolerance +5 W/−0 W)

**PERFORMANCE AT LOW IRRADIANCE**

- At least 88 % of nominal power during first year. Thereafter max. 0.45 % degradation per year. At least 93.95 % of nominal power up to 10 years. At least 84.95 % of nominal power up to 30 years.
- All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Qcells 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
- Nominal Module Operating Temperature NMOT [°F] 109 ± 5.4 (43 ± 3°C)

Properties for System Design

- **Maximum System Voltage** V_{sys} [V] 1500
- **Maximum System Fuse Rating** [A DC] 25
- **Max. Design Load, Push/Pull²** [lbs/ft²] 75 (3600 Pa)/33 (1600 Pa)
- **Max. Test Load, Push/Pull²** [lbs/ft²] 113 (5400 Pa)/50 (2400 Pa)

Qualifications and Certificates

- Fire Rating based on ANSI/UL 61730
- Permitted Module Temperature on Continuous Duty −40°F up to +185°F (−40°C up to +85°C)

Qcells pursues minimizing paper output in consideration of the global environment.

Note: Installation instructions must be followed. Contact our technical service for further information on approved installation of this product.

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