Q.PEAK DUO XL-G11 SERIES

570 - 590 Wp | 156 Cells
21.5% Maximum Module Efficiency

MODEL
Q.PEAK DUO XL-G11.3
Q.PEAK DUO XL-G11.7

Breaking the 21% efficiency barrier
Q.ANTUM DUO Z technology with zero gap cell layout boosts module efficiency up to 21.5%.

Enduring high performance
Long-term yield security with Anti LeTID Technology, Anti PID Technology\(^1\) and Hot-Spot Protect.

Low electricity generation costs
Higher yield per surface area, lower BOS costs and up to 175 watts more module power than standard 144 half-cell modules.

Extreme weather rating
High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (2400 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 12-busbar design with Q.ANTUM Technology.

\(^1\) APT test conditions according to IEC/TS 62804-1:2015, method A (−1500 V, 96 h)
\(^2\) See data sheet on rear for further information.

The ideal solution for:
Ground mounted solar panels
Q.PEAK DUO XL-G11 SERIES

**Mechanical Specification**

- **Format**: 95.1 in × 44.6 in × 1.38 in (including frame)
  (2446 mm × 1134 mm × 35 mm)
- **Weight**: 67.7 lbs (30.7 kg)
- **Front Cover**: Composite film
- **Cell**: 6 × 26 monocrystalline Q.ANTUM solar half cells
- **Back Cover**: Anodised aluminium
- **Junction Box**: 2.09-3.98 in × 1.26-2.36 in × 0.59-0.71 in (53-101 mm × 32-60 mm × 15-18 mm), Protection class IP67, with bypass diodes
- **Cable**: 4 mm² Solar cable; (+) ≥ 29.5 in (750 mm), (−) ≥ 13.8 in (350 mm)
- **Connector**: Staubli MC4-Evo2, Hanwha Q CELLS HGC4, IP68

**Electrical Characteristics**

### Power Class

<table>
<thead>
<tr>
<th></th>
<th>570</th>
<th>575</th>
<th>580</th>
<th>585</th>
<th>590</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power at MPP</td>
<td>P_{app} [W]</td>
<td>427.6</td>
<td>431.4</td>
<td>435.1</td>
<td>438.9</td>
</tr>
<tr>
<td>Short Circuit Current</td>
<td>I_{SC} [A]</td>
<td>10.87</td>
<td>10.89</td>
<td>10.91</td>
<td>10.93</td>
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<tr>
<td>Open Circuit Voltage</td>
<td>V_{OC} [V]</td>
<td>50.54</td>
<td>50.56</td>
<td>50.59</td>
<td>50.62</td>
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<tr>
<td>Current at MPP</td>
<td>I_{MPP} [A]</td>
<td>10.09</td>
<td>10.13</td>
<td>10.17</td>
<td>10.22</td>
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<tr>
<td>Voltage at MPP</td>
<td>V_{MPP} [V]</td>
<td>42.39</td>
<td>42.58</td>
<td>42.77</td>
<td>42.96</td>
</tr>
</tbody>
</table>

### Minimum Performance at Standard Test Conditions, STC¹

- **Power at MPP**: P_{app} [W]
- **Short Circuit Current**: I_{SC} [A]
- **Open Circuit Voltage**: V_{OC} [V]
- **Nominal Module Operating Temperature**: NMOT [°F]

### Minimum Performance at Normal Operating Conditions, NMOT²

- **Power at MPP**: P_{app} [W]
- **Short Circuit Current**: I_{SC} [A]
- **Open Circuit Voltage**: V_{OC} [V]
- **Nominal Module Operating Temperature**: NMOT [°F]

### Performance at Low Irradiance

- **Relative Efficiency (%)**
- **Nominal Module Operating Temperature**: NMOT [°F]

### Properties for System Design

- **Maximum System Voltage**: V_{sys} [V]
- **Maximum Series Fuse Rating**: [A DC]
- **Max. Design Load, Push/Pull²**: [lbs /ft²]
- **Max. Test Load, Push/Pull²**: [lbs /ft²]

### Qualifications and Certificates

**Hanwha Q CELLS America Inc.**

400 Spectrum Center Drive, Suite 1400, Irvine, CA 92618, USA | TEL: 1-949-748-5996 | EMAIL: info-mpq@qcells.com | WEB: www.qcells.com

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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