Q.PEAK DUO XL-G10 SERIES

475-490 Wp | 156 Cells
21.2% Maximum Module Efficiency

MODEL  Q.PEAK DUO XL-10.3/BFG

Bifacial energy yield gain of up to 20%
Bifacial Q.ANTUM solar cells with zero gap cell layout 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 21.2%.

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 Technology, 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 (3000 Pa).

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

6 busbar cell technology
12 busbar cell technology

1 See data sheet on rear for further information.
2 APT test conditions according to IEC/TS 62804-1:2015 method B (-1500 V, 168 h) including post treatment according to IEC 6215-1 Ed. 2.0 (CD)
**Q.PEAK DUO XL-G10 SERIES**

### Mechanical Specification

- **Format**: 872 in x 411 in x 1.38 in (including frame)
- **Weight**: 64.2 lbs (29.1 kg)
- **Front Cover**: 0.08 in (2.0 mm) thermally pre-stressed glass with anti-reflection technology
- **Back Cover**: 0.08 in (2.0 mm) semi-tempered glass
- **Frame**: Anodized aluminum
- **Cell**: 6 x 26 monocrystalline Q.ANTUM solar half cells
- **Junction box**: 6 × 26 monocrystalline Q.ANTUM solar half cells
- **Cell**: Anodized aluminum
- **Frame**: 0.08 in (2.0 mm) semi-tempered glass

### Electrical Characteristics

#### Power Class

<table>
<thead>
<tr>
<th>Power Class</th>
<th>475</th>
<th>480</th>
<th>485</th>
<th>490</th>
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<tbody>
<tr>
<td>P_{MPP}</td>
<td>475</td>
<td>480</td>
<td>485</td>
<td>490</td>
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</tbody>
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#### Performance at Standard Test Conditions, STC

<table>
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<tr>
<th>Power at MPP</th>
<th>BSC*</th>
<th>BSC*</th>
<th>BSC*</th>
<th>BSC*</th>
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<td>P_{MPP}</td>
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#### Minimum Performance at Normal Operating Conditions, NMOT

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<th>BSC*</th>
<th>BSC*</th>
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<td>3651</td>
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</table>

#### Performance at Low Irradiance

![Graph showing performance at low irradiance]

### Qcells Performance Warranty

At least 98% 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.

### Qualifications and Certificates

- **TÜV Rheinland; Quality Controlled PV - SYS**
- **Max. Test Load, Push/Pull**: 113 (5400 Pa)/62 (3000 Pa)
- **See Installation Manual**