Q.PEAK DUO BLK
ML-G10+ SERIES

390 - 410 Wp | 132 Cells
20.9% Maximum Module Efficiency

MODEL Q.PEAK DUO BLK ML-G10+/t

Breaking the 20% efficiency barrier
Q.ANTUM DUO Z Technology with zero gap cell layout boosts module efficiency up to 20.9%.

A reliable investment

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

Extreme weather rating
High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).

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

The most thorough testing programme in the industry
Qcells is the first solar module manufacturer to pass the most comprehensive quality programme in the industry: The new "Quality Controlled PV" of the independent certification institute TÜV Rheinland.

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

The ideal solution for:
Rooftop arrays on residential buildings
Q.PEAK DUO BLK ML-G10+ SERIES

### Mechanical Specification

- **Format**: 74.0 in × 411 in × 1.26 in (including frame) (1879 mm × 1045 mm × 32 mm)
- **Weight**: 48.5 lbs (22.0 kg)
- **Front Cover**: 0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology
- **Back Cover**: Transparent composite film with black grid
- **Frame**: Black anodised aluminium
- **Cell**: 6 × 22 monocrystalline Q.ANTUM solar half cells
- **Junction box**: Black anodised aluminium
- **Connector**: Stäubli MC4; IP68

### Electrical Characteristics

#### POWER CLASS

<table>
<thead>
<tr>
<th>Model</th>
<th>390</th>
<th>395</th>
<th>400</th>
<th>405</th>
<th>410</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power at MPP³</td>
<td>P&lt;sub&gt;MP&lt;/sub&gt; [W]</td>
<td>292.6</td>
<td>296.3</td>
<td>3001</td>
<td>303.8</td>
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<tr>
<td>Short Current I&lt;sub&gt;SC&lt;/sub&gt; [A]</td>
<td>8.87</td>
<td>8.89</td>
<td>8.92</td>
<td>8.94</td>
<td>8.97</td>
</tr>
<tr>
<td>Open Circuit Voltage V&lt;sub&gt;OC&lt;/sub&gt; [V]</td>
<td>42.90</td>
<td>42.93</td>
<td>42.96</td>
<td>42.99</td>
<td>43.03</td>
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<tr>
<td>Current at MPP I&lt;sub&gt;MPP&lt;/sub&gt; [A]</td>
<td>8.16</td>
<td>8.21</td>
<td>8.26</td>
<td>8.31</td>
<td>8.36</td>
</tr>
<tr>
<td>Voltage at MPP V&lt;sub&gt;MPP&lt;/sub&gt; [V]</td>
<td>35.86</td>
<td>36.10</td>
<td>36.33</td>
<td>36.57</td>
<td>36.80</td>
</tr>
</tbody>
</table>

### Qcells PERFORMANCE WARRANTY

- **Nominal Module Operating Temperature**: ⁰F, ± ⁰F

### Properties for System Design

- **Maximum System Voltage**: V<sub>sys</sub> [V] 1000 (IEC)/1000 (UL)
- **Maximum Series Fuse Racing** [A DC] 20
- **Max. Design Load, Push/Pull²** [lbs/ft²] 75 (3600 Pa)/55 (2660 Pa)
- **Max. Test Load, Push/Pull²** [lbs/ft²] 113 (5400 Pa)/84 (4000 Pa)

### Qualifications and Certificates

- **Fire Rating based on ANSI/UL 61730**
- **Permitted Module Temperature on Continuous Duty**: -40 ⁰F up to +185 ⁰F
- **Nominal Module Operating Temperature**: ⁰F, ± ⁰F

### Reliability

- **Maximum Series Fuse Racing**: 20
- **Maximum Design Load, Push/Pull**: 75 (3600 Pa)/55 (2660 Pa)
- **Maximum Test Load, Push/Pull**: 113 (5400 Pa)/84 (4000 Pa)

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*Standard terms of guarantee for the 5 PV companies with the highest production capacity in 2021 (February 2021)*