Q.PEAK DUO BLK ML-G10+ SERIES

385 - 410 Wp | 132 Cells
20.9% Maximum Module Efficiency

MODEL Q.PEAK DUO BLK ML-G10+

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
Q cells 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)

6 busbar cell technology
12 busbar cell technology

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

**Mechanical Specification**

- **Format**: 74.0 in × 41.1 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**: Composite film
- **Frame**: Black anodised aluminium
- **Cell**: 6 × 22 monocrystalline Q.ANTUM solar half cells
- **Junction box**: Black anodised aluminium
- **Connector**: 0.13 in (3.2 mm) thermally pre-stressed glass
- **Back Cover**: Composite film
- **Weight**: 48.5 lbs (22.0 kg)

**Electrical Characteristics**

<table>
<thead>
<tr>
<th>POWER CLASS</th>
<th>385</th>
<th>390</th>
<th>395</th>
<th>400</th>
<th>405</th>
<th>410</th>
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</thead>
<tbody>
<tr>
<td>Power at MPP</td>
<td>288.8</td>
<td>292.6</td>
<td>296.3</td>
<td>3001</td>
<td>303.8</td>
<td>307.6</td>
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<td>Short Circuit Current</td>
<td>8.90</td>
<td>8.92</td>
<td>8.95</td>
<td>8.97</td>
<td>9.00</td>
<td>9.03</td>
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<tr>
<td>Open Circuit Voltage</td>
<td>42.62</td>
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<td>42.69</td>
<td>42.72</td>
<td>42.76</td>
<td>42.79</td>
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<td>Current at MPP</td>
<td>8.35</td>
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<td>8.46</td>
<td>8.51</td>
<td>8.57</td>
<td>8.62</td>
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<tr>
<td>Voltage at MPP</td>
<td>34.59</td>
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<td>35.03</td>
<td>35.25</td>
<td>35.46</td>
<td>35.68</td>
</tr>
</tbody>
</table>

**Minimum Performance at Standard Test Conditions, STC**

- Short Circuit Current: 11.04 A
- Open Circuit Voltage: 45.19 V
- Maximum Power: 288.8 W

**Minimum Performance at Normal Operating Conditions, NMOT**

- Maximum Power: 288.8 W
- Short Circuit Current: 8.90 A
- Open Circuit Voltage: 42.62 V
- Nominal Module Operating Temperature (NMOT): 75°C

**Properties for System Design**

- **Maximum System Voltage**: 1000 V (IEC)/1000 V (UL)
- **Maximum Series Fuse Rating**: 20 A (DC)
- **Max. Design Load, Push/Pull**: 75 (3600 Pa)/55 (2660 Pa)
- **Max. Test Load, Push/Pull**: 113 (5400 Pa)/84 (4000 Pa)

**Qualifications and Certificates**


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