Q.PLUS DUO L-G5.3
360-375
EXCELLENT RELIABILITY
AND OUTSTANDING YIELDS

LOW ELECTRICITY GENERATION COSTS
Higher yield per surface area, lower BOS costs, higher
power classes, and an efficiency rate of up to 18.9%.

INNOVATIVE ALL-WEATHER TECHNOLOGY
Optimal yields, whatever the weather with
excellent low-light and temperature behavior.

ENDURING HIGH PERFORMANCE
Long-term yield security with Anti LID and Anti PID Technology¹,
Hot-Spot Protect and Traceable Quality Tra.Q™.

EXTREME WEATHER RATING
High-tech aluminum alloy frame, certified for high snow
(5400 Pa) and wind loads (2400 Pa) regarding IEC.

A RELIABLE INVESTMENT
Inclusive 12-year product warranty and 25-year
linear performance guarantee².

STATE OF THE ART MODULE TECHNOLOGY
Q.ANTUM DUO combines cutting edge cell separation
and innovative wiring with Q.ANTUM Technology.

¹ APT test conditions according to IEC/TS 62804-1:2015, method B (−1500 V, 168 h)
² See data sheet on rear for further information

THE IDEAL SOLUTION FOR:
Ground-mounted
solar power plants

Engineered in Germany
**MECHANICAL SPECIFICATION**

- Format: 79.3 x 39.4 x 1.38 in (including frame) (2015 x 1000 x 35 mm)
- Weight: 50.7 lbs (23 kg)
- Front Cover: 0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology
- Back Cover: Composite film
- Frame: Anodized aluminum
- Cell: 6 x 24 multicrystalline Q.ANTUM solar half cells
- Junction Box: 2.09-3.98 x 1.26-2.36 x 0.59-0.71 in (53-101 x 32-60 x 15-18 mm), with protection class IP67, with bypass diodes
- Cable: 4mm² Solar cable; (+) ≥ 53.1 in (1350 mm), (−) ≥ 53.1 in (1350 mm)
- Connector: Stäubli MC4-Evo2, Amphenol UTX, Renhe 05-8, Tongling TL-Cable01S-F, IP68 or Friends PV2e, IP67

**ELECTRICAL CHARACTERISTICS**

### POWER CLASS

<table>
<thead>
<tr>
<th>POWER CLASS</th>
<th>360</th>
<th>365</th>
<th>370</th>
<th>375</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power at MPP</td>
<td>P_MPP [W]</td>
<td>360</td>
<td>365</td>
<td>370</td>
</tr>
<tr>
<td>Short Circuit Current</td>
<td>I_SC [A]</td>
<td>9.87</td>
<td>9.92</td>
<td>9.96</td>
</tr>
<tr>
<td>Open Circuit Voltage</td>
<td>V_OC [V]</td>
<td>46.80</td>
<td>47.03</td>
<td>47.26</td>
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<tr>
<td>Voltage at MPP</td>
<td>V_MPP [V]</td>
<td>38.52</td>
<td>38.79</td>
<td>39.05</td>
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<tr>
<td>Efficiency</td>
<td>η [%]</td>
<td>≥ 179</td>
<td>≥ 181</td>
<td>≥ 184</td>
</tr>
</tbody>
</table>

**MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC**

- Power at MPP: 368.8 W, 272.5 W, 276.2 W, 280.0 W
- Short Circuit Current: 7.95 A, 7.99 A, 8.03 A, 8.06 A
- Open Circuit Voltage: 44.03 V, 44.25 V, 44.46 V, 44.68 V
- Current at MPP: 7.35 A, 7.40 A, 7.46 A, 7.51 A
- Voltage at MPP: 36.58 V, 36.82 V, 37.05 V, 37.28 V

**MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT**

- Power at MPP: 268.8 W, 272.5 W, 276.2 W, 280.0 W
- Short Circuit Current: 7.95 A, 7.99 A, 8.03 A, 8.06 A
- Open Circuit Voltage: 44.03 V, 44.25 V, 44.46 V, 44.68 V
- Current at MPP: 7.35 A, 7.40 A, 7.46 A, 7.51 A
- Voltage at MPP: 36.58 V, 36.82 V, 37.05 V, 37.28 V

<table>
<thead>
<tr>
<th>IRRADIAENCE [W/m²]</th>
<th>RELATIVE EFFICIENCY [%]</th>
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</thead>
<tbody>
<tr>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>200</td>
<td>97.5</td>
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<td>400</td>
<td>95.0</td>
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<tr>
<td>800</td>
<td>92.5</td>
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<tr>
<td>1000</td>
<td>90.0</td>
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</table>

**Q CELLS PERFORMANCE WARRANTY**

- At least 97% of nominal power during first year. Then after max. 0.54% degradation per year. At 92.0% of nominal power up to 10 years. At least 84% of nominal power up to 25 years.
- All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Q CELLS sales organisation of your respective country.

**QUALIFICATIONS AND CERTIFICATES**

- UL 1703, CE-compliant
- Protection class IP67, with bypass diodes
- Industry standard for linear warranties
- Q CELLS

**NOTES**

- Minimum performance at standard test conditions (25°C, 1000 W/m²)
- Power at MPP: ±3%, I_SC ±5% at STC: 1000 W/m²
- Temperature coefficients: α [%/K] = +0.04, β [%/K] = −0.28, γ [%/K] = −0.37
- Normal Module Operating Temperature: NMOT [°F] = 109 ± 5.4 (43 ± 3°C)
- Fire Rating: Class II, CE-compliant, UL 1703
- Maximum Series Fuse Rating: [A DC] 20
- Permitted Module Temperature: [−40 °C up to +185 °C]
- Module Weight: 50.7 lbs (23 kg)
- Number of Modules per Pallet: 29
- Number of Pallets per 53' Container: 22
- Pallet Dimensions: 81.9'' (2015 mm) x 45.3'' (1150 mm) x 46.7'' (1190 mm)
- Pallet Weight: 1606 lbs (727 kg)

**PACKAGING INFORMATION**

- Specifications subject to change without notice © Q CELLS 2019. All rights reserved

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Note: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.