The Q.ANTUM solar module Q.PLUS L-G4.2 with power classes up to 340 Wp is the strongest module of its type on the market globally. Powered by 72 Q CELLS solar cells Q.PLUS L-G4.2 was specially designed for large solar power plants to reduce BOS costs. Only Q CELLS offers German engineering quality with our unique triple Yield Security.

**LOW ELECTRICITY GENERATION COSTS**
Higher yield per surface area and lower BOS costs thanks to higher power classes and an efficiency rate of up to 17.4 %.

**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-PID Technology¹, Hot-Spot-Protect and Traceable Quality Tra.Q™.

**LIGHT-WEIGHT QUALITY FRAME**
High-tech aluminum 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 guarantee².

**THE IDEAL SOLUTION FOR:**
Ground-mounted solar power plants

Engineered in Germany

---

¹ APT test conditions: Cells at -1000 V against grounded, with conductive metal foil covered module surface, 25°C, 168 h

² See data sheet on rear for further information.
## MECHANICAL SPECIFICATION

**Format**  
78.5 in x 39.4 in x 1.38 in (including frame)

**Weight**  
52.9 lb (24 kg)

**Front Cover**  
0.13 in (3.2 mm) thermally stressed glass with anti-reflection technology

**Back Cover**  
Composite film

**Frame**  
Anodised aluminium

**Cell**  
6 x 12 Q.ANTUM solar cells

**Junction box**  
3.35 - 4.13 in x 2.36 - 3.15 in x 0.59 - 0.67 in (85 - 105 mm x 60 - 80 mm x 15 - 17 mm)

**Cable**  
4 mm² Solar cable; (+) ≥ 47.24 in (1200 mm), (-) ≥ 47.24 in (1200 mm)

**Connector**  
Amphenol H4 UTX, IP68

**Pallet Dimensions (L x W x H)**  
81.3 x 45.3 x 46.9 in (2065 x 1150 x 1190 mm)

**Pallet Weight**  
1671 lbs (758 kg)

## ELECTRICAL CHARACTERISTICS

### POWER CLASS

<table>
<thead>
<tr>
<th>Power Class</th>
<th>Minimum Performance at Standard Test Conditions, STC</th>
<th>Minimum Performance at Normal Operating Conditions, NOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>330</td>
<td>Power at MPP²: 330 W</td>
<td>Power at MPP²: 244.7 W</td>
</tr>
<tr>
<td>335</td>
<td>Short Circuit Current*: 9.49 A</td>
<td>Short Circuit Current*: 7.65 A</td>
</tr>
<tr>
<td>340</td>
<td>Open Circuit Voltage*: 46.55 V</td>
<td>Open Circuit Voltage*: 43.44 V</td>
</tr>
<tr>
<td></td>
<td>Current at MPP*: 8.91 A</td>
<td>Current at MPP*: 6.99 A</td>
</tr>
<tr>
<td></td>
<td>Voltage at MPP*: 37.02 V</td>
<td>Voltage at MPP*: 35.01 V</td>
</tr>
<tr>
<td></td>
<td>Efficiency²: ≥ 16.5 %</td>
<td>Efficiency²: ≥ 16.5 %</td>
</tr>
</tbody>
</table>

²: Measurement tolerances STC ± 3%; NOC ± 5%

### Q CELLS PERFORMANCE WARRANTY

**Performance at Low Irradiance**

- At least 97% of nominal power during first year. Thereafter max. 0.6% degradation per year.
- At least 92% of nominal power after 10 years.
- At least 83% of nominal power after 25 years.

**Temperature Coefficients**

- Temperature Coefficient of I_{SC}  
  \(\alpha\) [% / K] = +0.04
- Temperature Coefficient of P_{MPP}  
  \(\gamma\) [% / K] = -0.40

**Properties for System Design**

- Maximum System Voltage: 1500 (IEC) / 1500 (UL)
- Safety Class: II
- Maximum Series Fuse Rating: 15 A DC
- Fire Rating: C / TYPE 1
- Max Load (UL): 75 (3600 Pa)
- Load Rating (UL): 33 (1600 Pa)

**Qualifications and Certificates**

- IEC 61215 (Ed. 2); IEC 61730 (Ed. 1), Application class A
- UL 1703 Certified

**Packaging Information**

- Number of Modules per Pallet: 29
- Number of Pallets per 40' Container: 22
- Pallet Dimensions (L x W x H): 81.3 x 45.3 x 46.9 in (2065 x 1150 x 1190 mm)
- Pallet Weight: 1671 lbs (758 kg)

### Special Terms

- Specifications subject to technical changes.
- Hanwha Q CELLS USA Corp.
- Engineered in Germany