Reconditioned Solar Panels:

QCell | Q.PLUS L-G4.2 335
QTY: 2,686pcs, 31 pcs per pallet.
Inspected, machine washed, flash tested and palletized. Replaced connectors when needed.

Pictures:
The Q.ANTUM solar module Q.PLUS L-G4.2 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.

**Q.ANTUM TECHNOLOGY: LOW LEVELIZED COST OF ELECTRICITY**
Higher yield per surface area and lower BOS costs thanks to higher power classes and an efficiency rate of up to 17.8%.

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

**ENDURING HIGH PERFORMANCE**
Long-term yield security with Anti PID1, Anti LID Technology, Hot-Spot Protect and Traceable Quality Tra.Q™.

**EXTREME WEATHER RATING**
High-tech aluminium 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 warranty2.

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

- **Format**: 1994 mm × 1000 mm × 35 mm (including frame)
- **Weight**: 23 kg
- **Front Cover**: 3.2 mm thermally pre-stressed glass with anti-reflection technology
- **Back Cover**: Composite film
- **Frame**: Anodised aluminium
- **Cell**: 6 × 12 Q.ANTUM solar cells
- **Junction box**: 85-115 × 60-80 × 15-19 mm, Protection class ≥ IP67, with bypass diodes
- **Cable**: 4 mm² Solar cable; (+) ≥ 1200 mm, ≥ (−) 1200 mm
- **Connector**: Multi-Contact MC4-EVO2, JMTTHY PV-JM601A or Amphenol UTX; IP68

### ELECTRICAL CHARACTERISTICS

#### POWER CLASS

<table>
<thead>
<tr>
<th>Power at MPP</th>
<th>335</th>
<th>340</th>
<th>345</th>
<th>350</th>
</tr>
</thead>
<tbody>
<tr>
<td>P&lt;sub&gt;off&lt;/sub&gt;</td>
<td>335</td>
<td>340</td>
<td>345</td>
<td>350</td>
</tr>
<tr>
<td>Short Circuit Current</td>
<td>9.50</td>
<td>9.54</td>
<td>9.59</td>
<td>9.64</td>
</tr>
<tr>
<td>Open Circuit Voltage</td>
<td>46.10</td>
<td>46.34</td>
<td>46.58</td>
<td>46.82</td>
</tr>
<tr>
<td>Voltage at MPP</td>
<td>8.97</td>
<td>9.03</td>
<td>9.10</td>
<td>9.16</td>
</tr>
<tr>
<td>Voltage at MPP</td>
<td>37.36</td>
<td>37.65</td>
<td>37.93</td>
<td>38.20</td>
</tr>
<tr>
<td>Efficiency</td>
<td>≥ 16.8</td>
<td>≥ 17.1</td>
<td>≥ 17.3</td>
<td>≥ 17.6</td>
</tr>
</tbody>
</table>

#### PERFORMANCE AT LOW IRRADIANCE

<table>
<thead>
<tr>
<th>Irradiance [W/m²]</th>
<th>RELATIVE EFFICIENCY [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>95</td>
</tr>
<tr>
<td>100</td>
<td>90</td>
</tr>
<tr>
<td>80</td>
<td>85</td>
</tr>
<tr>
<td>50</td>
<td>80</td>
</tr>
<tr>
<td>20</td>
<td>75</td>
</tr>
</tbody>
</table>

#### PROPERTIES FOR SYSTEM DESIGN

- **Maximum System Voltage**: 1500 V
- **Maximum Reverse Current**: 20 A
- **Max. Design Load, Push / Pull**: 3600/1600 Pa
- **Max. Test Load, Push / Pull**: 5400/2400 Pa

### QUALIFICATIONS AND CERTIFICATES

- **Q CELLS PERFORMANCE WARRANTY**
  - At least 97% of nominal power during first year. Thereafter max. 0.6% degradation per year
  - At least 92% of nominal power up to 10 years.
  - At least 83% of nominal power up to 25 years.
  - All data within measurement tolerances.
- **PERFORMANCE AT LOW IRRADIANCE**
  - Typical module performance under low irradiance conditions in comparison to STC conditions (25 °C, 1000 W/m²).

- **TEMPERATURE COEFFICIENTS**
  - Temperature Coefficient of I<sub>sc</sub>: α [%/K] = +0.04
  - Temperature Coefficient of P<sub>off</sub>: γ [%/K] = −0.40
  - Normal Module Operating Temperature: NMOT [°C] = 43 ± 3 °C

- **PROPERTIES FOR SYSTEM DESIGN**

- **QUALIFICATIONS AND CERTIFICATES**
  - Standard terms of guarantee for the 10 PV companies with the highest production capacity in 2014 (as at: September 2014)
  - Industry standard for tiered warranties*
  - Industry standard for linear warranties*

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*Standard terms of guarantee for the 10 PV companies with the highest production capacity in 2014 (as at: September 2014)

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