The new Q.POWER L-G5 is the result of the continued evolution of our polycrystalline solar modules. Thanks to improved power yield, excellent reliability and high-level operational safety, the new Q.POWER L-G5 generates electricity at a low cost (LCOE) and is suitable for a wide range of applications.

SUPERIOR YIELD
High power output thanks to advanced 6-busbar technology and outstanding performance under real-life conditions.

LOW LEVELISED COST OF ELECTRICITY
Higher yield per surface area, lower BOS costs, higher power classes and an efficiency rate of up to 17.5%.

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

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

MAXIMUM COST REDUCTIONS
Lower logistics costs due to higher module capacity per box.

A RELIABLE INVESTMENT
Inclusive 12-year product warranty and 25-year linear performance warranty\(^1\).

\(^{1}\) See data sheet on rear for further information.
MECHANICAL SPECIFICATION

Format 1960 mm × 991 mm × 35 mm (including frame)
Weight 22.5 kg ± 5 %
Front Cover 3.2 mm thermally pre-stressed glass with anti-reflection technology
Back Cover Multi-layer composite sheet
Frame Anodised aluminium
Cell 6 × 12 polycrystalline solar cells
Junction box Protection class IP67 or IP68, with bypass diodes
Cable 4 mm² Solar cable; (+) ≥ 1200 mm, (-) ≥ 1200 mm
Connector Intermateable connector with H4, MC4

QUALIFICATIONS AND CERTIFICATES PARTNER

Q CELLS PERFORMANCE WARRANTY PERFORMANCE AT LOW IRRADIANCE

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.

TEMPERATURE COEFFICIENTS

Temperature Coefficient of Isc α (%/K) +0.05
Temperature Coefficient of Vmp γ (%/K) -0.40

TEMPERATURE COEFFICIENTS

Temperature Coefficient of Voc β (%/K) -0.31
Normal Operating Cell Temperature NOCT [°C] 45 ± 3

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage Vdc [V] 1000 (IEC), 1500 (IEC)
Safety Class II
Maximum Reverse Current Ir [A] 20
Fire Rating C
Push/Pull Load (Test-load in accordance with IEC 61215) Pdc [W] 5400/2400
Permitted Module Temperature -40°C up to +85°C
On Continuous Duty

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 91.6 % of nominal power up to 10 years.

At least 83.0 % 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 organization of your respective country.

Q CELLS PERFORMANCE WARRANTY PERFORMANCE AT LOW IRRADIANCE

Typical module performance under low irradiance conditions in comparison to STC conditions (25 °C, 1000 W/m²).

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