The new Q.PEAK DUO-G5 solar module from Q CELLS impresses thanks to innovative Q.ANTUM DUO Technology, which enables particularly high performance on a small surface. Q.ANTUM’s world-record-holding cell concept has now been combined with state-of-the-art circuitry half cells and a six-busbar design, thus achieving outstanding performance under real conditions — both with low-intensity solar radiation as well as on hot, clear summer days.

Q.ANTUM TECHNOLOGY: LOW LEVELISED COST OF ELECTRICITY
Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 19.9%.

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 LID Technology, Anti PID Technology\(^1\), Hot-Spot Protect and Traceable Quality Tra.Q\(^2\).

EXTREME WEATHER RATING
High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).

A RELIABLE INVESTMENT
Inclusive 12-year product warranty and 25-year linear performance warranty\(^2\).

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

THE IDEAL SOLUTION FOR:
- Rooftop arrays on residential buildings
- Rooftop arrays on commercial/industrial buildings

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 1685 mm × 1000 mm × 32 mm (including frame)

Weight 18.7 kg

Front Cover 3.2 mm thermally pre-stressed glass with anti-reflection technology

Back Cover Composite film

Frame Black anodised aluminium

Cell 6 × 20 monocrystalline Q.ANTUM solar half cells

Junction box 70-85 mm × 50-70 mm × 13-21 mm Protection class IP67, with bypass diodes

Cable 4mm² Solar cable; (+) 1100 mm, (−) 1100 mm

Connector Multi-Contact, MC4, IP65 and IP68

QUALIFICATIONS AND CERTIFICATES PARTNER

Q CELLS PERFORMANCE WARRANTY PERFORMANCE AT LOW IRRADIANCE

TEMPERATURE COEFFICIENTS

Temperature Coefficient of ISC α [%/K] + 0.04

Temperature Coefficient of VOC β [%/K] − 0.28

Normal Operating Cell Temperature NOCT [°C] 45

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage V_{STC} [V] 1000 Safety Class II

Maximum Reverse Current I_{R} [A] 20 Fire Rating C

Push/Pull Load (Test-load in accordance with IEC 61215) [Pa] 5400/4000 Permitted Module Temperature On Continuous Duty -40°C up to +85°C

Q CELLS PERFORMANCE WARRANTY PERFORMANCE AT LOW IRRADIANCE

TEMPERATURE COEFFICIENTS

VDE Quality Tested, IEC 61215 (Ed. 2); IEC 61730 (Ed. 1), Application class A

This data sheet complies with DIN EN 50380.

Specifications subject to technical changes © Hanwha Q CELLS Q.PEAK DUO-G5_315-330_2017-07_Rev01_EN

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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.