

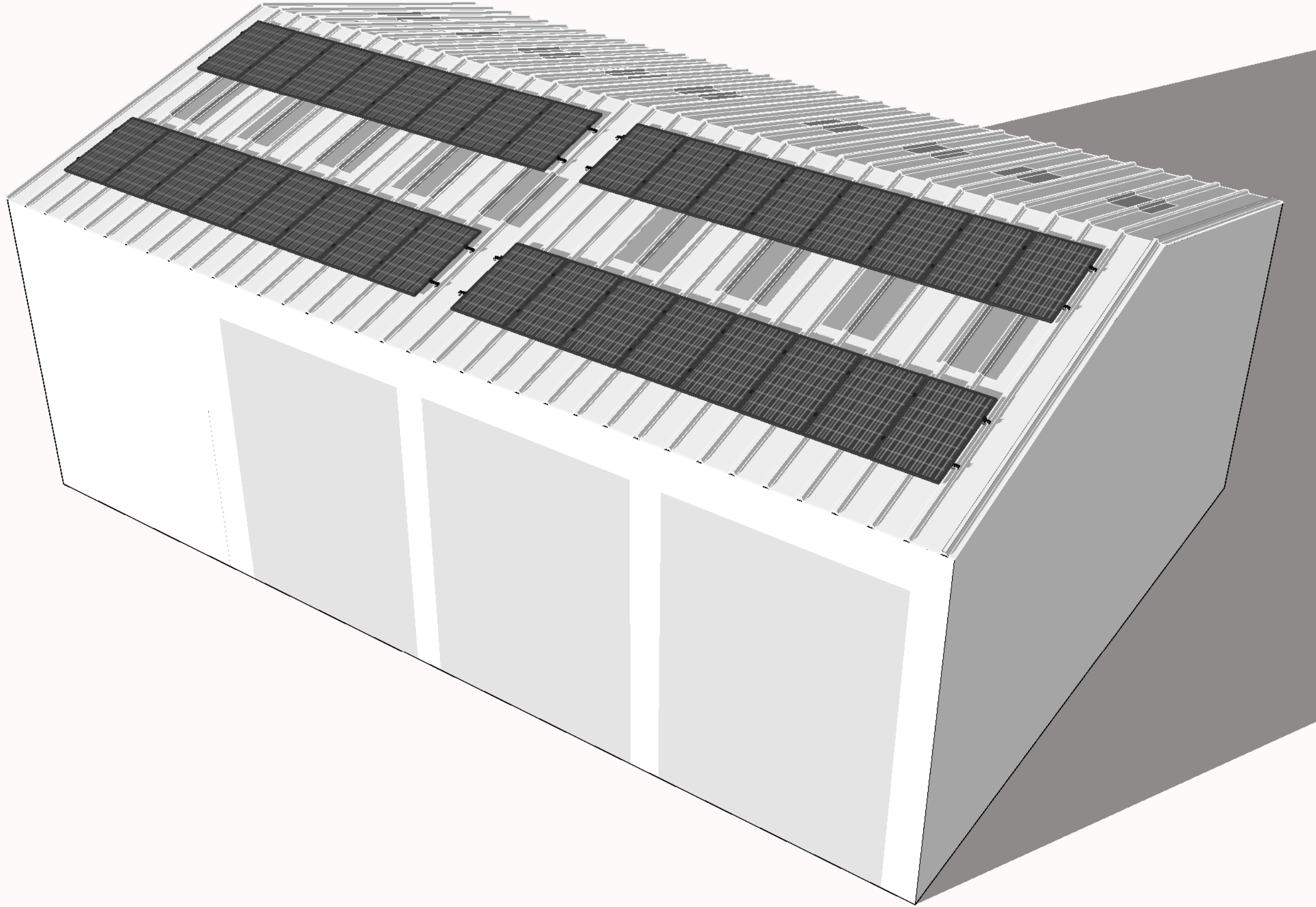


IoS Smart
Energy
Islands
Project

St Marys Fire Station

9.7kW South 9,600kWh Annual generation

Array layout

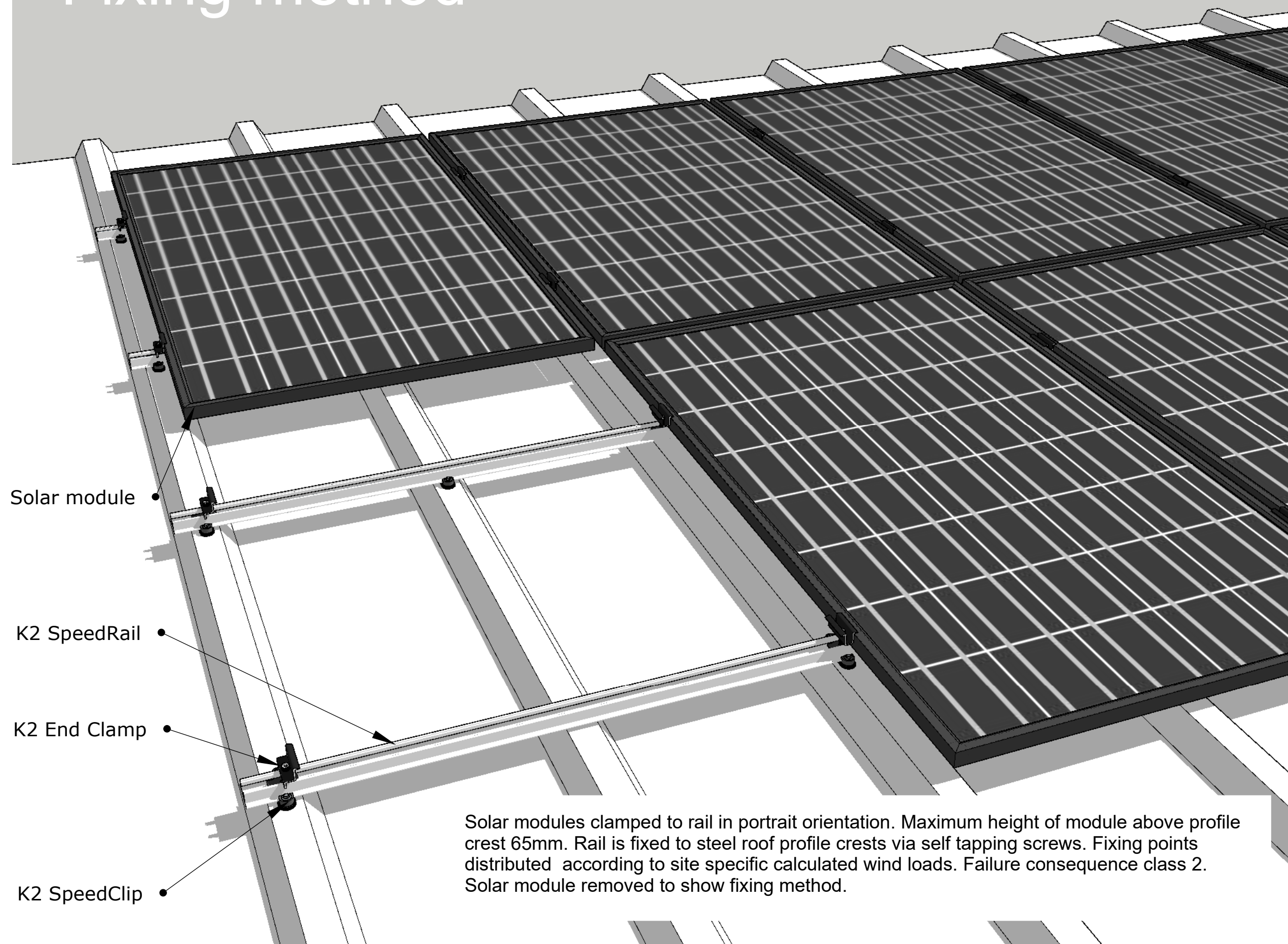


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Fixing method



Solar modules clamped to rail in portrait orientation. Maximum height of module above profile crest 65mm. Rail is fixed to steel roof profile crests via self tapping screws. Fixing points distributed according to site specific calculated wind loads. Failure consequence class 2. Solar module removed to show fixing method.

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Module Datasheet



The new **Q.PEAK DUO BLK-G5** solar module from Q CELLS impresses with its outstanding visual appearance and particularly high performance on a small surface thanks to the innovative **Q.ANTUM DUO** Technology. 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 LEVELIZED COST OF ELECTRICITY

Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 19.3 %.



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 Technology, 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 (4000 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.

THE IDEAL SOLUTION FOR:



Engineered in Germany



¹ APT test conditions according to IEC/TS 62804-1:2015, method B (-1500V, 168h)

² See data sheet on rear for further information.

Q CELLS

MECHANICAL SPECIFICATION			
Format	1670mm × 1000mm × 32mm (including frame)		
Weight	18.8kg		
Front Cover	3.2mm thermally pre-stressed glass with anti-reflection technology		
Back Cover	Composite film		
Frame	Black anodised aluminium		
Cell	6 × 10 monocrystalline Q.ANTUM solar cells		
Junction box	66-77 mm × 115-90mm × 15-19mm Protection class IP67, with bypass diodes		
Cable	4mm ² Solar cable; (+) 1000 mm, (-) 1000 mm		
Connector	Multi-Contact MC4 or MC4 intermateable, IP68		

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.

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Spec features subject to technical changes © Hanwha Q CELLS Q.PEAK BLK G5.1_285-295_2017_01_Rev04_EN

Q CELLS

Engineered in Germany