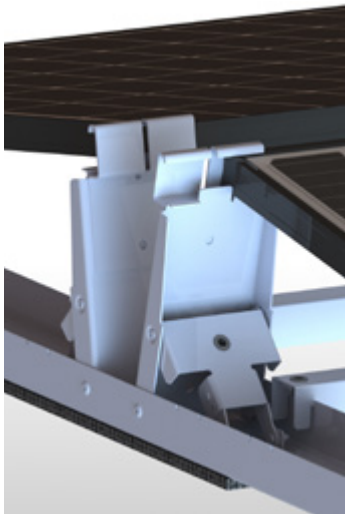
Q.FLAT-G5

BI-DIRECTIONAL Q CELLS FLAT ROOF SYSTEM

Q.FLAT-G5 is the perfect flat roof system for rapid, simple and reliable installation without roof penetration. Quick assembly by simply folding open the middle columns minimises installation effort, while the floating suspension of the modules also increases long-term stability and safety. With a power density of 170 Wp/m² and an elevation of 10° (in comparison with 90 Wp/m² for a standard system with 30° elevation to the south)[1], Q.FLAT-G5 is the bi-directional solution for maximum yields on flat roofs.



MAXIMUM YIELDS
Up to 82 percent roof area utilisation – twice as much as with a 30° elevation.

QUICK AND EASY INSTALLATION
Simple assembly where the substructure and modules are built up sequentially – up to 50 % cost saving over comparable flat roof systems.

SAFE DESIGN
Long-term stability thanks to tension-free, floating suspension of the modules. Integration in a lightning protection system is provided for.

FEWER COMPONENTS, BOLTS AND LESS BALLAST
Q.FLAT-G5 is primarily supplied preassembled, thereby reducing storage and logistics costs as well as labour expenditure on the roof. The new design means less ballasting is required.

DURABLE MATERIALS
Magnelis® coating for corrosion resistance 10 times better in comparison to galvanised steel and independent closure of the surface in the event of scratches.

EUPD RESEARCH TOP BRAND PV MODULES EUROPE 2018

Q CELLS YIELD SECURITY
- ANTI PID TECHNOLOGY (APT)
- HOT-SPOT PROTECT (HSP)
- TRACEABLE QUALITY (TRA.Q™)
- ANTI LID TECHNOLOGY (ALT)

VDE 11/2016 Quality Tested
- high reliability
- low degradation
- optimized durability
- continous line monitoring

www.VDEinfo.com
ID. 40032587

[1] When using 330 Wp modules

THE IDEAL SOLUTION FOR:

Commercial and industrial rooftop arrays

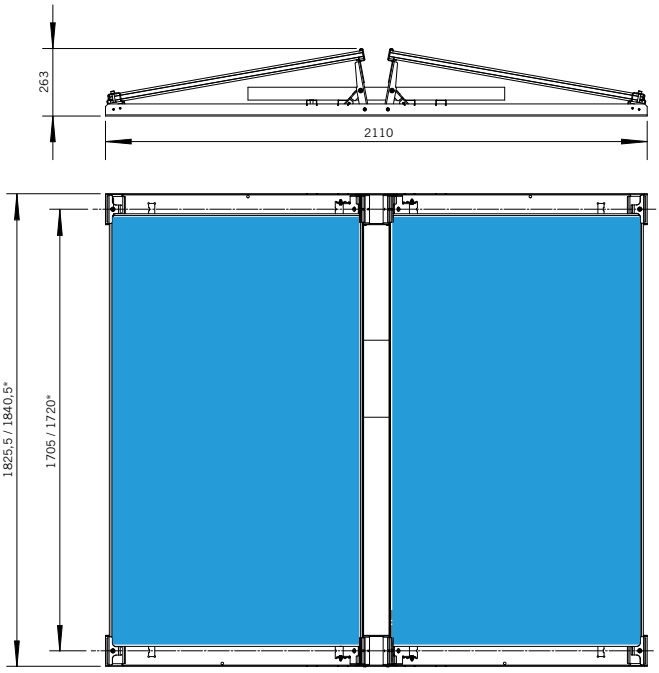
Engineered in **Germany**

Q CELLS

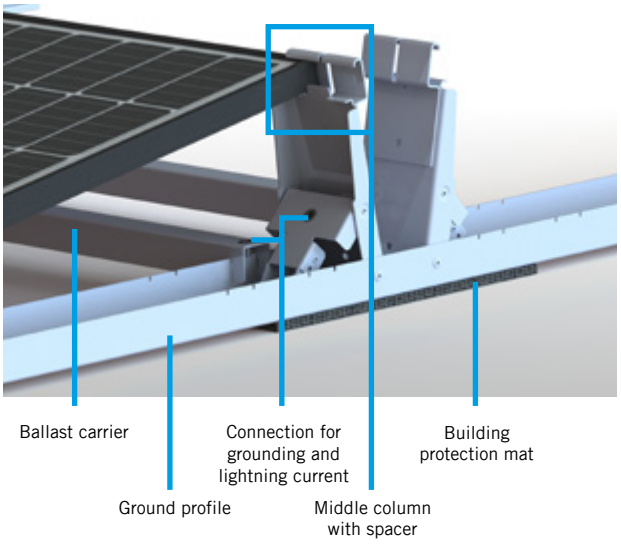
MECHANICAL SPECIFICATIONS

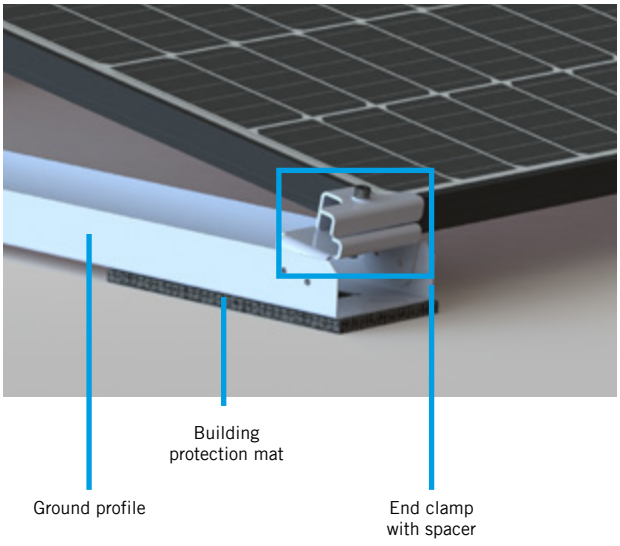
Dimensions	2110 mm × 1825.5 mm / 1840.5 mm* × 263 mm
Area of module pair	3.85 m² / 3.88 m²*
Axial dimensions of module pair	1705 mm / 1720 mm* × 2110 mm
Weight without modules	12 kg (~3.6 kg/m²)
Elevation	10°
Maximum roof pitch	5°
Standard parts	Ground profile with middle column with potential equalisation connection plus end clamp and spacer; Building protection mat 10 mm, aluminium laminated on one side; End clamp and bolt DIN EN ISO 7380-2 (stainless steel); Ballast support with potential and lightning protection connection
Optional parts	Ballast tray (800 mm × 415 mm), 3 kg; ground profile connector; cable clips; perforated tape for potential equalisation; grounding strap for lightning protection connection; cable duct device
Material of the individual components	Steel S350 with Magnelis® coating ZM310
Roof skin types	Bitumen, foil, gravel roof
Modules	Q.PLUS BFR-G4.1, Q.PLUS-G4.3, Q.PEAK-G4.1, Q.PEAK BLK-G4.1, Q.PEAK DUO-G5, Q.PEAK DUO BLK-G5
Power classes of the modules	275-330 Wp

*for Q.PEAK DUO-G5, Q.PEAK DUO BLK-G5



SYSTEM DETAILS





NOTE: Always follow the installation instructions. Further information on approved use of the products is provided in the installation and operation manual or can be requested from Technical Service. You can find more information on the Q CELLS solar modules in the applicable module data sheets. Data sheets and installation instructions available at www.q-cells.co.uk.

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Engineered in **Germany**