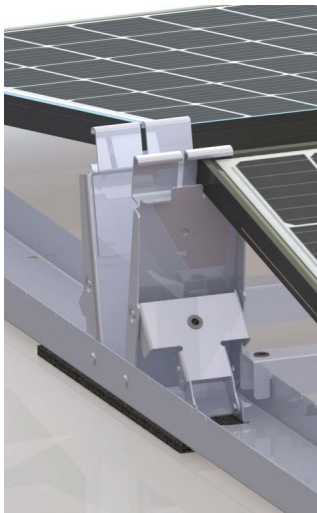


Q.FLAT-G5

BI-DIRECTIONAL
Q CELLS FLAT ROOF SYSTEM

MADE IN GERMANY

Solar+Power
award winner 



MAXIMUM YIELDS

Generate maximum yields with a power density¹ of 180 Wp/m². South-facing 30° systems attain a power density¹ of only 90 Wp/m².



OPTIMAL ROOF AREA USE

The compact design and 10° elevation angle enables a roof area utilisation of up to 82 percent.



SIMPLE AND FAST INSTALLATION

Rapid assembly by unfolding the middle support columns where the substructure and modules are built up sequentially minimises installation effort by up to 50%.



MODULE PROTECTION

The continuous ground profile conducts the loads acting on the solar module gently into the roof cladding. This prevents shifts in the solar module. Integration in a lightning protection system is possible.



FEWER COMPONENTS AND BALLAST

The pre-assembled Q.FLAT-G5 reduces warehousing and logistics costs, the work labour for the roof and is optimised in terms of ballast.



DURABLE MATERIALS

Magnelis® coating for 10× better corrosion resistance in comparison to galvanised steel and automatic closure of the surface in case of scratches due to cathodic self-protection.

¹ When using 330 Wp solar modules.

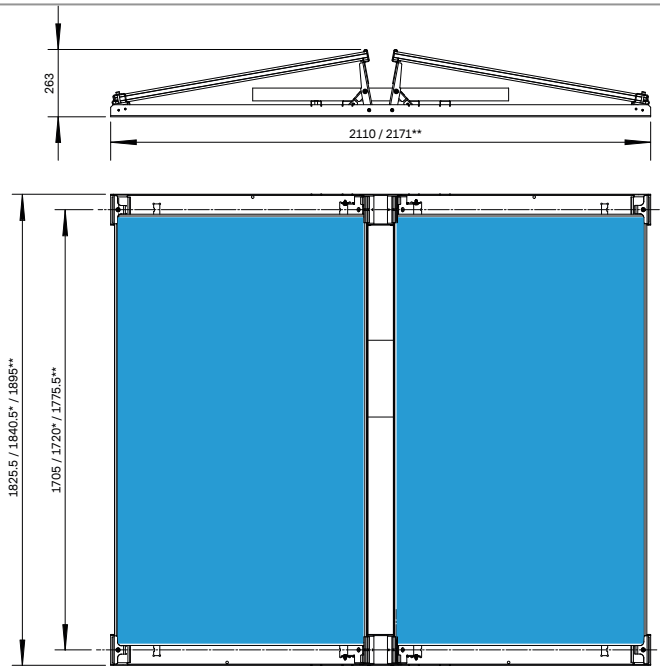
THE IDEAL SOLUTION FOR:



Commercial
and industrial
rooftop arrays

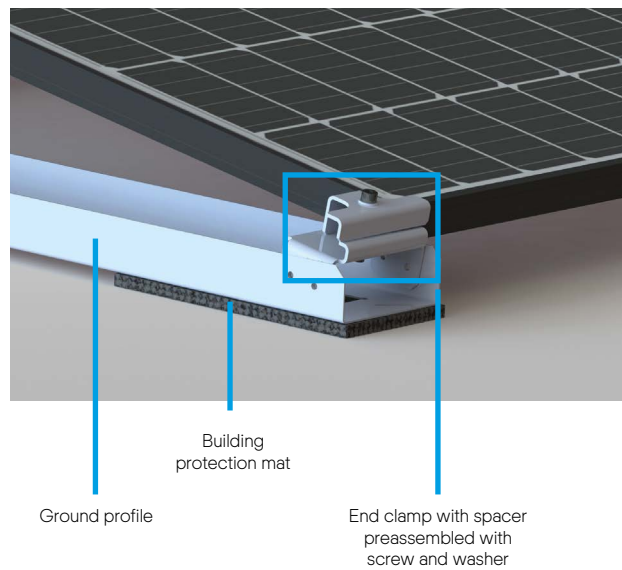
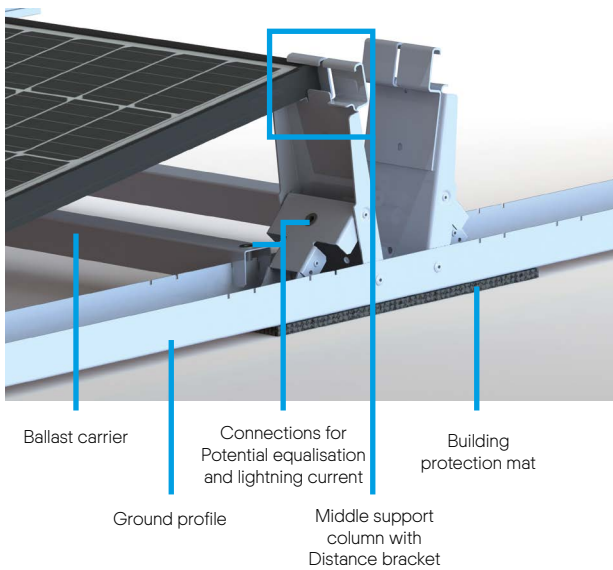
MECHANICAL SPECIFICATION

Dimensions	2110 mm / 2171 mm** × 1825.5 mm / 1840.5 mm* / 1895 mm** × 263 mm
Area of module pair	3.85 m ² / 3.88 m ² * / 4.11 m ² **
Axial dimensions of module pair	1705 mm / 1720 mm* / 1775.5 mm** × 2110 mm / 2171 mm**
Weight without modules	12 kg (~3.6 kg/m ²), 13.8 kg**
Elevation angle	10°
Maximum roof pitch	5°
Standard parts	Ground profile with middle column support and potential equalisation connection, end support, building protection mat*** 10 mm (optionally aluminium laminated on one side); end clamp and screw DIN EN ISO 7380-2 (stainless steel); ballast carrier with potential equalisation and lightning current connection
Optional parts	Ground profile connector, cable clips, potential equalisation, cable duct device
Material of the individual components	Steel with Magnelis® coating, stainless steel
Roof skin types	Bitumen, foil, gravel roof
Modules	Q CELLS 60-cell solar modules with the dimensions 1670 × 1000 × 32 mm (e.g. Q.PEAK-G4.1), Q CELLS 120-half-cell solar modules with the dimensions 1685 × 1000 × 32 mm (e.g. Q.PEAK-DUO-G5), Q CELLS 120-half-cell solar modules with the dimensions 1740 × 1030 × 32 mm (e.g. Q.PEAK-DUO-G6)
Performance classes of the modules	280-360 Wp



* for Q CELLS 120-half-cell solar modules generation G5 / G7
 ** for Q CELLS 120-half-cell solar modules generation G6 / G8
 *** The building protection mat with aluminium lamination is chemically compatible with all normal types of flat roof sealing.

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.com.

Hanwha Q CELLS GmbH

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Engineered in Germany

Q CELLS