

Q.FLAT-G6 EW/S



Flexible Flat-Roof Mounting System For South or East-West Orientation

MODEL Q.FLAT-G6 EW/S



Maximum yields

Highest yields with a power density¹ of up to 214 Wp/m² and optimised module rear ventilation.



Minimal ballast

Latest wind tunnel evaluations improve aerodynamics and increase system stability. Side covers can be used optional.



Optimal use of the roof area

The compact design and 10° elevation angle enables a roof area utilisation of up to 82%. Unobstructed roof drainage in accordance with DIN 1986-100 is ensured.



Integrated fall protection

According to DIN EN 795:2012 and CEN/TS 16415:2013 (in progress) certified, circumferential safety rope system is integrated and can optionally be extended by a rope system for max. 3 persons (max. 300 kg).



Simple click system

Quick and easy installation thanks to non-interchangeable click connections, measurement-free assembly and re-releasable connections. Length expansion effects are minimised.



Maximum safety

Building authority approval Z-14.4-790, UL 2703 (approval in progress), lightning current carrying capacity according to DIN EN 62561-1 (VDE 0185-561-1):2013-02



Ideal cable routing

Q.FLAT-G6 enables separate installation of DC +/- (separation distances +150 mm). Easy cable management thanks to cable clips V2 fixed on the module frames.

¹ When using Q.PEAK DUO M-G11 410 Wp solar modules.

The ideal solution for:

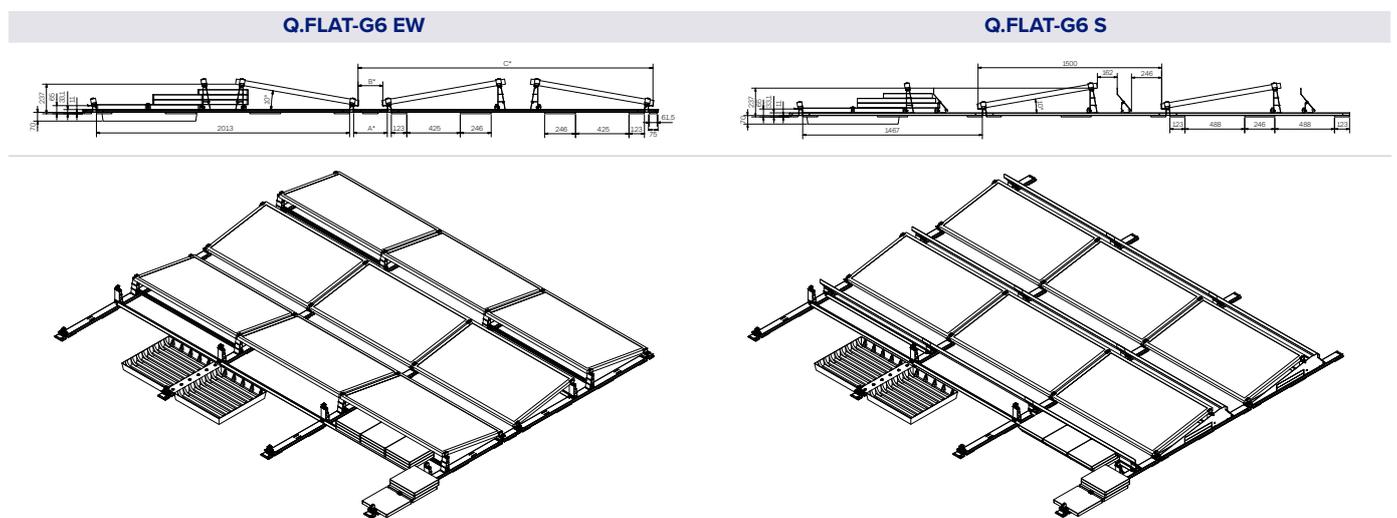


Commercial
and industrial
flat roof arrays

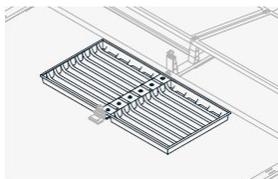
■ TECHNICAL SPECIFICATIONS

Description	Q.FLAT-G6 EW	Q.FLAT-G6 S
Application	Flat roof with foil, bitumen, gravel, greenery, sheet metal, concrete, open spaces	
Alignment	East-West	South
Module inclination	[°]	10
Approved Qcells solar modules	Q.PEAK DUO (BLK) ML-G10(+), Q.PEAK DUO XL-G11.3, Q.PEAK DUO XL-G11.7, Q.PEAK DUO (BLK) M-G11(+), Q.PEAK DUO ML-G11(+), Q.PEAK DUO (BLK) M-G11A(+), Q.PEAK DUO ML-G11A(+), Q.PEAK DUO (BLK) M-G11S(+), Q.PEAK DUO ML-G11S(+), Q.TRON (BLK) M-G2+	
Connection	non-penetrating (optional fixation see accessories below)	
Roof pitch	[°]	max. 5
Edge distances	Occupancy of the roof edge and corner areas possible upto 200 mm	
System size	[m]	at least 2 double modules / maximum field size 20 × 20
Material	Exclusively high-quality aluminium EN-AW-6063-T3 and stainless steel A2-70. No galvanised components are used.	
Protection mat	11 mm thick high-tech protective mat with anti-slip coating for maximum protection against softener migration and roof membrane damage is already pre-assembled on the system.	
Certificates	Lightning current carrying system according to DIN EN 62561 (VDE 0185-561-1):2013-02 General building authority approval Z-14.4-790 for the aerodynamic flat roof system Testing according to UL2703	

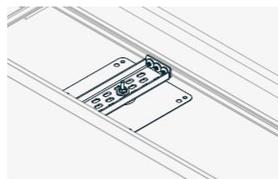
■ MECHANICAL SPECIFICATIONS (example of Q.PEAK DUO-G9)



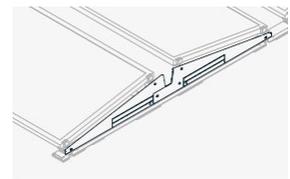
■ ACCESSORIES



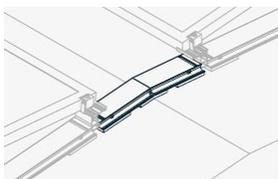
Ballast tank as alternative to ballast stones for gravelled and green roofs



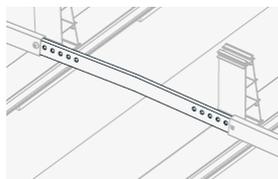
Solmont-Mounting foot and USO-fixation for secure connection on the roof and/or for ballast reduction



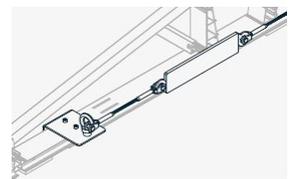
Side cover for improvement of aerodynamics and ballast reduction



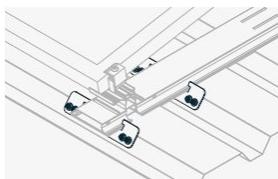
Ridge interconnection in rail direction



Ridge interconnection in module direction



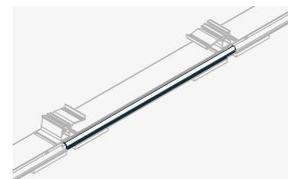
Fall protection to secure persons from crash



Trapezoidal sheet adapter for easy fixation on trapezoidal sheet roofs



Routing by system adjusted components incl. integration of the lightning protection concept and equipotential bonding



cable duct cover for secure protection of cables against direct solar radiation

Qcells pursues minimizing paper output in consideration of the global environment.

Note: Installation instructions must be followed. Contact our technical service for further information on approved installation of this product.

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