MAXIMUM YIELDS
Generate maximum yields with a power density\(^1\) of 180 Wp/m\(^2\). Conventional south-facing 30° systems attain a power density of only 90 Wp/m\(^2\).

FAST INSTALLATION THANKS TO PRE-ASSEMBLED COMPONENTS
Minimal assembly time and reduced installation costs on the DC side from EUR 65/kWp to EUR 45/kWp.

LONG-TERM STABILITY
The zinc-aluminium-magnesium coating of the metal surface ensures outstanding corrosion protection with a 12-year product warranty. Cut edges and scratches are self-repairing due to the cathodic effect.

FEWER COMPONENTS
The pre-assembled Q.FLAT-G5 reduces storage and logistics costs. This results in less packaging waste – which must otherwise be laboriously disposed of, or may even be unintentionally scattered across the installation site by the wind.

MODULE PROTECTION
The continuous base profile conducts the loads acting on the solar module gently into the roof cladding. Shifting of the solar modules is prevented, thus protecting them. The design prevents additional loads from being placed on the solar modules.

SIMPLE MODULE CLAMPING
Only one clamp must be screwed onto each solar module, which means no elaborate fixing on the ridge side is necessary. This minimises the risk of damaging the solar modules during installation.

OPTIMISED FOR Q CELLS SOLAR MODULES
Q.FLAT-G5 is adapted to the dimensions of Q CELLS solar modules. Selection of the correct components is automatically managed via the Q CELLS ROOFTOP PLANNER software, which optimises the planning process.

FLOATING BALLAST
Distribution of the ballast over the entire system surface via the ballast support prevents damage to the roof surface. The optimally wide building protection mat is integrated into the system and prevents slipping while ensuring unimpeded roof drainage.

OPTIMISED BALLAST
The ground-profile connectors can greatly reduce the necessary ballast. The ideal positioning is ensured by the Q CELLS ROOFTOP PLANNER software.

FLEXIBLE BALLAST
Q.FLAT-G5 allows the use of various ballast blocks without predefined dimensions, as well as different materials such as concrete or gravel.

MAXIMUM BALLAST
Due to its sophisticated design, Q.FLAT-G5 allows the use of more ballast compared to competing systems.

\(^1\) When using 330 Wp solar modules.
SUITABLE FOR ALL TYPES OF FLAT ROOF
Due to the use of various building protection mats, Q.FLAT-G5 can be used on standard roof covers.

INTEGRATED EQUIPOTENTIAL BONDING
Q.FLAT-G5 is designed for integration with an equipotential bonding system – this can be implemented quickly and easily using pre-assembled cables.

LIGHTNING PROTECTION CAN BE INTEGRATED
Q.FLAT-G5 is certified as lightning-proof and can be integrated into lightning protection systems.

OPTIMAL USE OF THE ROOF AREA
The compact design and 10° elevation angle enables a roof-area utilisation of up to 82 per cent. The system can not only be installed in an east-west direction, but also in a different orientation without significant yield losses, thus increasing the installation options.

MEASUREMENT-FREE INSTALLATION
Q.FLAT-G5 is designed so that the system sections align perfectly due to the ballast supports. This means no additional measurements are necessary on the roof.

LENGTH-EXPANSION COMPENSATION
Thanks to the chosen materials and innovative design, the Q.FLAT-G5 can be laid without expansion joints. This results in an especially high power density and prevents expansion damage.

OUTSTANDING DESIGN
The independent jury at the Solar+Power Awards 2018 honoured the Q.FLAT-G5 flat roof system with the Innovation of the Year Award.

APPROVED DESIGN
In addition to a wind and structural stability certificate, the Q.FLAT-G5 flat roof system also has a Dekra test report and DiBT certification.

SIMPLIFIED CABLE ROUTING
When using the high-efficiency modules of the Q CELLS DUO-G5 series, cable clips are available to ensure easy cable routing. The number of cable clips required is automatically calculated by the Q CELLS ROOFTOP PLANNER software.

LOW CARBON FOOTPRINT
Q.FLAT-G5 is made of high-quality steel instead of the more commonly used aluminium. This greatly reduces the energy required to produce the raw materials.

MADE IN GERMANY
The Q.FLAT-G5 is manufactured in Germany – and was also developed there – to ensure high quality standards and compliance with local requirements.

NO SPECIAL TOOLS NECESSARY
For installation of the Q.FLAT-G5 only a standard Allen key is required – to tighten one screw per solar module. No fasteners that require cutting are used.

SEQUENTIAL ASSEMBLY
The system can be assembled sequentially, with independent installation of the substructure and the solar modules. This optimises the assembly process by reducing the installation time and cost.

EASY ASSEMBLY
Installation of the Q.FLAT-G5 is simple and self-explanatory. Components cannot be confused and incorrect installation is almost impossible.

REUSABLE
The entire Q.FLAT-G5 flat roof system can be easily disassembled and rebuilt elsewhere without the use of new parts. The solar modules can be replaced with little effort.