

Mounting systems for solar technology



K2 SYSTEMS MOUNTING SYSTEMS

GB



Mutual trust is the basis of success.

Like with mountain climbing, we also take mutual trust very seriously. This trust holds true when dealing with our customers, as well as regarding K2 employees. After all, only a trustful partnership leads to success.

Partner with system

With sophisticated product ideas and a noticeable customer focus, K2 Systems is the sympathetic partner in the mounting systems for solar technology sector. International customers value our tried and tested designs for use on roofs and walls, as well as ground mounted solutions and individual solutions. K2 mounting systems impress with their appealing design and many well thought out details. High quality materials and a quality-conscious finish guarantee the highest functionality and durability. Our range is comprised of just

a few, perfectly coordinated components. This lowers the cost of materials, simplifies installation and saves time and money. As a young company with branches in Italy and France, we believe in cooperation in a spirit of partnership. In order to endure the dynamic development of our company, we permanently strive to further optimise our product range. The knowledge we gain from personal interaction with our customers also has an influence in this process.

K2 SYSTEMS THE COMPANY

To find the right path, the most important thing is avoiding the wrong one.

We at K2 Systems have found the right way. Our customers and our employees prove this every day by confirming our way and walking it together with us.



A team with know-how and sympathy

As far as our employees are concerned, your wishes and concerns take priority. This is the case with us in sales, exactly as it is in production and in the warehouse. Our international team shares the common goal to expertly and fully serve our customers. Our employees are always trained in quality assurance, product development and engineering innovations.

Our K2 Systems sales team is made up exclusively of advisors with a background in

engineering and engineers. Your specialist customer advisors are always on hand with their vast know-how to answer all your questions. For all requirements, together we will find the optimal solution for the material and cost effective implementation of our systems.

K2 SYSTEMS THE EMPLOYEES



TÜV Certificate

The TÜV Rheinland Group first tests a representative product selection on the basis of specific criteria. So that the certificate does not only represent a snap-shot, TÜV employees then monitor the manufacturing sites of the company at regular intervals and check whether the products manufactured there match the examined test samples.



VDE Certificate

The VDE Prüf-und Zertifizierungsinstitut GmbH is a national and international testing and accreditation institute for the testing and certification of electronic equipment, components and systems. The safety, electromagnetic compatibility and further features of these products are tested.



RAL Certificate

Quality is compliance with agreements. Companies with the RAL Solar Quality Stamp show their binding recognition of this tried and tested quality philosophy and are independently monitored.

K2 Systems quality is triple certified

K2 Systems stands for secure connection, high quality and precisely manufactured and exact fit components. Our customers and business partners have known that for a long time.

Three independent authorities have tested, confirmed and certified our competencies and components.

However, we do not just rely on external authorities. Our internal quality assurance standards ensure that all components

manufactured by us undergo an extensive testing process.

This results in a high standard of quality at K2 Systems, which is clear from a very high level of customer satisfaction. Since we can rely on high quality, all of our components come with a 12 year manufacturer's guarantee.

K2 SYSTEMS THE QUALITY

As soon as the mind is set on a goal, things start to work.

This quote from Goethe binds the spirit of the mountaineers with that of developers. We at K2 Systems still have a lot in mind that we want to achieve with many new products.



Great design – top functionality

The products by K2 Systems have always distinguished themselves in the mounting systems market through their exceptionally fine design and a love of detail. However, our in-house development division not only gives a high priority to the design of our products. The high functionality, which exists in all of our products is a feature in the installation of all of our systems that our customers particularly appreciate. Every detail is distinguished by its honed user

friendliness. New developments are tested extensively before the beginning of the batch production, right down to the last detail. So there is proven high quality and functionality. And a design that matches our high demands.

K2 SYSTEMS THE DEVELOPMENT



Turn your face to the sun,
and the shadows will fall behind you.

Look ahead and reach milestones with our products – that is our philosophy. The most important ingredients for being just that little bit better in the future are ideas, know-how and will.

The heart are our products

Our products are very important to us. They are with us from the initial concept, through the production right up until the final plant manufacturing. Our selection is characterised among other things by a clear product range – an advantage which originates from the modular structure of K2 Systems. Among the five product groups mounting rails, roof fasteners, mounting accessories, connecting elements and bolted connections are all essential system

components. Each of our systems can be combined and used in all location conditions of the respective snow and wind load zones. We use aluminium and stainless steel for most of our components. That guarantees high resistance to corrosion, durability and provides customer satisfaction.

K2 SYSTEMS THE PRODUCTS



If you don't climb the mountain, you also won't see out into the distance.

This Chinese proverb expresses exactly how we feel. We at K2 Systems rise to the challenges of our customers. This way our wealth of experience is constantly growing.

One of our core strengths

As the saying goes: „Nothing exists that does not exist“. We work on every wish of our customers. That means constructions that cannot simply be bought off the shelf. That means constructions that call for vast know-how and a lot of flexibility. And constructions that must be planned with particular attention to detail.

We are talking about the countless bespoke designs that are individually planned, calculated and produced by us. Every individual

solution that we plan and often produce with bespoke elements, we develop with the same care as we do with all of our products. Individual structural analyses and tests for every single product are thereby prerequisites and a matter of course. That is our strength. We are known for it.

K2 SYSTEMS THE SPECIALITY



Ofterdingen

Mounting system: K2 Roof Fastener +
K2 Light-Rail
Output capacity: 24.6 kWp



K2 Roof Fastener +
K2 Medium-Rail



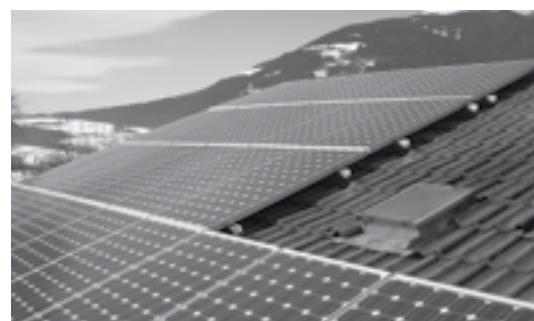
K2 Roof Fastener with thread +
K2 CrossRail and
K2 Climber

K2 SYSTEMS ON-ROOF SYSTEMS



Weidental

Mounting system: K2 Roof Fastener,
cross mounted rails
Output capacity: 21.45 kWp



Aufhofen

Mounting system: K2 Roof Fastener,
single layered rails
Output capacity: 6.3 kWp

On roof – the classic design

The most used covering on gable roofs are roof tiles and corrugated asbestos cement tiles. The variety of gable roofs is however almost infinite. As a result of our long years of experience, the K2 Systems product range for this classic mounting covers practically all existing roof coverings. Plus, our product range covers the many special forms of roof hooks for tiles as well as the hangar bolts for corrugated asbestos cement tiles. Of course, high quality is also

a priority for K2 Systems as far as materials and craftsmanship is concerned, since the connection to the roof must withstand all weather conditions. The classic rail system like, for example the K2 Light, Medium or Alpine rails can be used with all K2 roof hooks and are characterised by their extremely easy installation and flexibility. Typical K2 Systems.



K2 Roof Fastener classic
stainless steel



K2 Adjustable Roof
Fastener, one times height
stainless steel



K2 Roof Fastener Spanish
tile roof, purlins
stainless steel



K2 Medium-Rail
aluminium



K2 Roof Fastener +
K2 Medium-Rail
aluminium



K2 Rafter Bolt
stainless steel

K2 SYSTEMS ON-ROOF SYSTEMS



Giaveno

Mounting system: K2 Flat rail
Output capacity: 49.8 kWp



Tramin

Mounting system: K2 SpeedRail and
cross mounted K2 Light-Rail
Output capacity: 11.52 kWp

On-roof – the specialists

K2 Systems has developed a mounting system especially for tiled roofs, that enables complete assembly from above: the K2 System CrossRail. The K2 threaded roof hook developed alongside it does not require extra lock nuts. Using the corresponding K2 Climber clamps, the K2 CrossRail is simply screwed to the threaded roof hooks directly from above. This saves time and materials and is unbelievably practical. For trapezoidal panel roofs there is only

one solution for us: the K2 SpeedRail. It is the rail for our quickest mounting system. With the help of K2 SpeedClips, the system is mounted on the roof in record time. The division between the K2 SpeedRail and the steel roof is achieved by the K2 SpeedClip, which is made of glass-fibre reinforced plastic. It couldn't be easier or quicker.



K2 Roof Fastener with
thread
stainless steel



K2 Climber
aluminium



K2 CrossRail 48/210
aluminium



K2 SpeedRail 22/105
aluminium

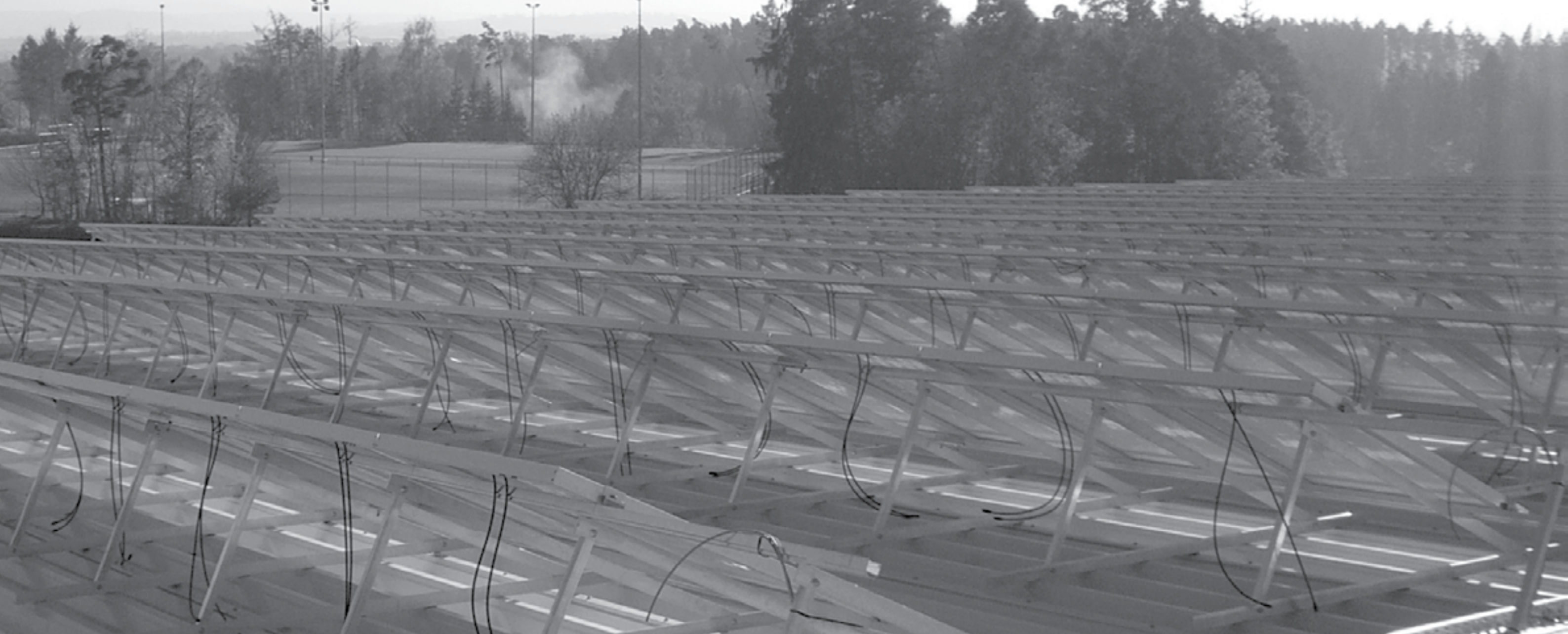


K2 SpeedClip
glass fibre reinforced
polyamid



K2 SpeedRail with
SpeedClip

K2 SYSTEMS ON-ROOF SYSTEMS



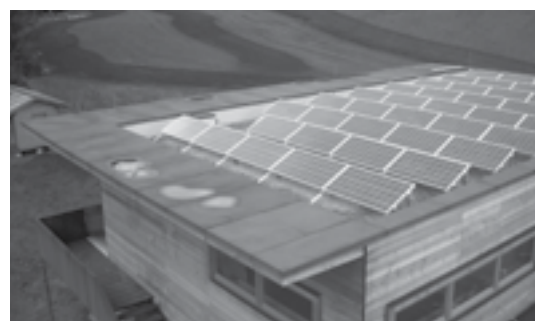
Gäufelden

Mounting system: K2 Mounting Triangles
on trapezoidal sheet metal
Output capacity: 450 kWp



K2 Mounting Triangles

K2 SYSTEMS THE FLAT ROOF SYSTEM



Göge

Mounting system:
K2 Flat roof with PE plate
Output capacity: 8.14 kWp



Terlan

Mounting system:
K2 Flat-Rail with mounting triangles
Output capacity: 230 kWp

Flat roof

In installing solar equipment on flat roofs there are always two requirements to consider: the thickness of the roof membrane and the firm stability of the carrier system. The drilling-free K2 Systems mounting system is suitable for both requirements. Through the individual calculation and production of the K2 Systems triangle supports, the system can be installed on any type of roof and roof angle. Concrete insets or insets of a similar material can be used for ballasting. Using a PE plate, different fillings can serve as weighting. Modules

can be mounted vertically as well as horizontally – without having to use a lot of additional material. The K2 Systems mounting triangles are pre-mounted and therefore enable a simple, quick and money-saving installation on the roof. For roofs with less structure, K2 has the low ballast East-West System. It is called this because it achieves high efficiency though flat, double-sided mounts with east-west alignment. As with all K2 systems, it is flexible, low-cost and especially easy to install.



K2 Mounting Triangles in different sizes for different loads
aluminium



K2 Solid L
aluminium

K2 SYSTEMS THE FLAT ROOF SYSTEM



Neresheim

Mounting system:
Ground mounted N-Rack
Output capacity: 1.7 MWp



K2 Ground mounted V-Rack

K2 SYSTEMS THE GROUND MOUNTED SYSTEM



Blankenberg

Mounting system:
Ground mounted N-Rack
Output capacity: 1.1 MWp



Sanzenbach

Mounting system:
Ground mounted N-Rack
Output capacity: 878 kWp

Open country

Thanks to concrete and screw foundations, K2 ground mounted systems can be erected on almost all surfaces – for example, also on conversion areas. K2 Systems currently offers two different systems: System N and System V. Both designs allow very large span widths of up to 5 m. In the planning of every system we focus on structural safety and we develop them individually on

the basis of structural and analysis software. Every system is optimised to meet the conditions of the location and the dominant snow and wind loads there, as well as the individual composition of the ground. The systems can just as easily be installed level to the ground as flush i.e. flat on the ground. Our systems are therefore just as flexible as your requirements.



K2 Screw Foundation
galvanised steel



K2 Solid LS
aluminium

K2 SYSTEMS THE GROUND MOUNTED SYSTEM



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