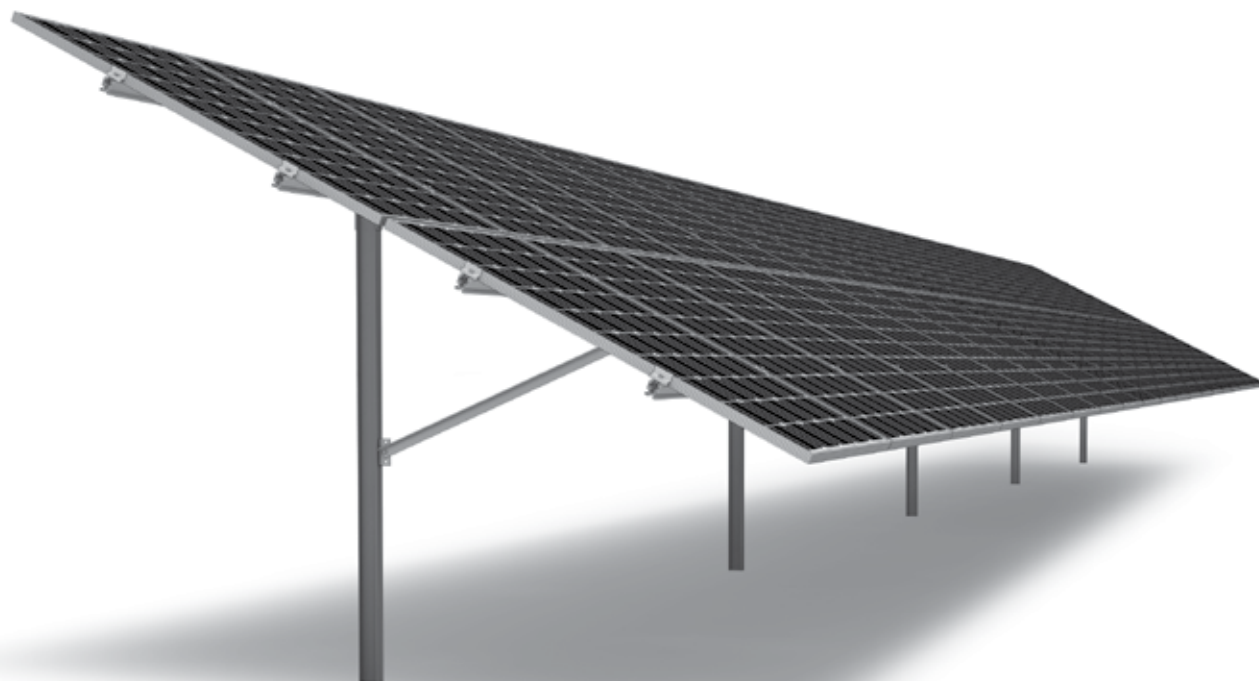


Mounting systems for solar technology



ASSEMBLY INSTRUCTIONS
T-RACK 2.12 SYSTEM

GB

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PARTNER WITH A SYSTEM

With sophisticated, fully developed product ideas and obvious customer-orientation, K2 Systems is your friendly partner in the field of mounting systems for solar technology. International customers appreciate the tried and tested designs for use on roofs and in outdoor and individual solutions.

Mounting systems from K2 Systems impress with their attractive design and many well thought-out details. High grade materials and quality workmanship guarantee outstanding functionality and durability.

Our products consist of few yet perfectly matching components - this reduces the amount of material used, simplifies assembly while saving time and money.

As an energetic, experienced company, and in keeping with the times, we benefit from cooperation as partners in order to ensure the dynamic development of our company. The experiences from the personal dialogue with our customers forms the basis for permanent optimisation of our range of products. The team of K2 Systems looks forward to a successful cooperation with you.

TESTED QUALITY – FOUR CERTIFICATIONS

K2 Systems stands for secure connection, highest quality and precision. Our customers and business partners have already known that for a long time. And three independent institutes have tested, confirmed and certified our capabilities and components.



GENERAL SAFETY INSTRUCTIONS

Please be aware that our General Assembly Regulations must be adhered to.








They can be viewed under www.k2-systems.com/en/downloads/product-information.html








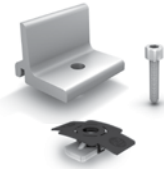


In general, the following applies:

- Systems may only be installed and put into use by people who can ensure the proper carrying-out of the work due to their technical suitability (e.g. training or occupation) and/or experience.
- Before assembly, it must be checked that the product meets the local static requirements. For roof systems, the load-bearing capacity of the roof has to be checked in principle.
- National and local building regulations, standards and environmental regulations are always to be adhered to.
- Work safety and accident prevention regulations and corresponding standards and regulations of occupational associations are to be adhered to! In particular, it is to be ensured that:
 - Safety clothing is worn (especially safety helmets, work shoes and gloves).
 - For work on roofs, the regulations for working on roofs are to be adhered to (e.g. use of anti-fall guards, scaffolding with arrestor equipment from an eaves height of 3m etc.)
 - Presence of two people is vital for the entire course of the assembly, so that swift help can be ensured in the case of an accident.
- K2 mounting systems are constantly being developed further. Because of this, assembly procedures can change. Therefore, before assembly, always check that the assembly instructions are up-to-date under www.k2-systems.com/en/downloads/product-information.html. We can also send you the latest version on request.
- The assembly instructions of the module manufacturer are to be adhered to.
- The grounding must be prepared on site (if necessary use lightning protection clamp).
- During the entire assembly time it is to be ensured that at least one copy of the assembly instructions is available on site.
- In the event of non-adherence to our General Safety Instructions and if competitor's parts are built in or attached, K2 Systems GmbH reserves the right to refuse liability.
- With disregarding our general installation and assembly instructions and not using all system components and assemblies according to these instructions as well when components are used, which were not obtained from us, K2 Systems is not liable for any resulting defects and damages. Warranty is excluded in such cases.
- If all safety instructions are adhered to and the system is correctly installed, there is a product warranty entitlement of 12 years! In this context we strongly recommend to also read our terms of guarantee which can be viewed under www.k2-systems.com/en/downloads/product-information.html. We can also send them to you on request.
- The dismantling of the system takes place according to the assembly steps, in reverse order.
- K2 components made of stainless steels are available in different corrosion resistance classes. In every case, the expected corrosion exposure of each structure or component must be checked.

ESSENTIAL: THE MATERIALS REQUIRED

In order to assemble the K2 T-Rack System 2.12, the following listed system components are essential. The piece quantities are calculated on the basis of the respective requirements. The listed item numbers facilitate the comparison of items.

	Mounting Rail CrossRail 48 Material: Aluminium Alternativ: K2 CrossRail 62 Material: Aluminium	1001980
	Rail connector Set CrossRail 48 Material: Aluminium When using CrossRail 62 the corresponding connector is required.	1002392
	Ram post IPE100 Material: galvanized steel S235JR Alternativ: IPE120	1006129
	T-Rack Head 20°-30° Materiale: galvanized steel	1006135
	Cross-Tie Material: Aluminium	1006521 (adjustment 2xV) 2000061 (adjustment 3xH)
	CrossRail 62 (Pre-assembled on request) Material: Aluminium	item number system-specific
	Pivot Bracket Material: Aluminium	1004163

	L-Bracket for IPE Material: galvanized steel	1006134
	Allen bolt DIN EN ISO 4762 M 8 x 25 Material: galvanized steel, SW 6	on request
	Allen bolt DIN EN ISO 4762 M 8 x 70 Material: stainless steel A2, SW 6	1000255
	Allen bolt DIN EN ISO 4762 M 12 x 30 Material: galvanized steel, SW 6	1003784
	Hexagon flange nut M8 Material: stainless steel A2, SW 13	1000043
	Hexagon flange nut M8 Material: galvanized steel, SW 13	on request
	Hexagon flange nut M12 Material: galvanized steel, SW 18	1003789
	K2 Climber Set Set consists of: Climber 62/90, Allen bolt M8 x 20, Washer M8, M K2 Alternativ: K2 CrossAngle Set for East-West Elevation	1006042
	K2 End clamp Set Standard Material: Aluminium	item number system-specific
	K2 Middle clamp Set Standard Material: Aluminium	item number system-specific

AT A GLANCE: OVERVIEW OF THE TOOLS

K2 Systems mounting systems are designed to ensure effortless assembly. Only the tools that are required are not included in the scope of supply. Here we have listed them together for ease of reference.



Piling Implement

With attachment (matrix) for Ram Post IPE 100



Cordless screwdriver

With mount for SW 6



Torque wrench

With attachment for SW 6, SW 10, SW 15 (for screwing)



Chalk line or guide line



Measuring tape



Leveling Device or Spirit Level

IN GENERAL:

The General Installation Instructions must be adhered to. These can be found at: They can be viewed under www.k2-systems.com/en/downloads/product-information.html

The following especially applies to the T-Rack System:

→ CORROSION:

The components of this product are designed for use in normal city and country environments and are sufficiently corrosion-resistant for these environments. For sites with sea air due to proximity to the sea, aggressive industrial atmosphere, sites close to livestock, or a combination of such boundary conditions, additional corrosion protection is required.

→ FOUNDING:

Prior to founding the soil parameters must be determined.
In addition, the planner must create a foundation plan.

T-RACK 2.12 SYSTEM INSTALLATION: STEP BY STEP



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RAMMING OF POSTS

At the beginning of the foundation work, the terrain to be built on must be measured off, in order to determine the correct position of the ram posts. In accordance with the foundation plan, the ram posts are rammed into the ground with suitable piling equipment to the planned depth.

Additional information:

Pay attention to the upper and lower sides of the piles. The piling equipment must be suitable for the conditions of the building plot and requires a matrix in compliance with the geometry of the post.

Required materials: Ram posts IPE 100



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INSTALLATION OF RACK HEADS

The rack heads are mounted onto the rammed posts. The asymmetrical side is to be aligned to the pile. Fasten with 2 x DIN EN ISO 4762 M12 hexagonal socket screws and self-locking nuts.

Additional information:

The washers are positioned on the screw head side. In this installation step, the screws are not yet tightened with a final torque, but simply fixed.

Required materials: Rack Head, Allen bolt DIN EN ISO 4762 M12 x 30, Self-Locking Nut M12



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ALIGNING THE RACK HEADS

The rack heads are aligned on a line. A guide line can be used as an aid. The height adjustment of the rack heads occurs through selection of corresponding holes in the rack heads. After alignment, all screw connections are permanently fixed

Tightening torque: 117 Nm



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MOUNTING OF L-BRACKET TO THE POST

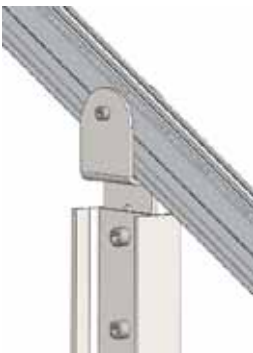
The L-Bracket is fastened to the lower area of the rammed posts and at a suitable angle each with 2 x DIN EN ISO 4762 M8 hexagonal socket screws and self-locking nuts.

Additional information:

Adjust the L-Bracket height according to the head.

Tightening torque: 34 Nm

Required materials: L-Bracket, Allen bolt DIN EN ISO 4762 M8 x 25, Self locking nut M8



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FASTENING THE CROSSRAIL 62 TO THE HEAD

The CrossRail 62 is fastened to the head with a DIN EN ISO 4762 M8 hexagonal socket screw and self-locking nut

Additional information:

In this installation step, the screws are not yet tightened with a final torque, but simply fixed.

Required materials: CrossRail 62, Allen bolt DIN EN ISO 4762 M8 x 70, Self Locking Nut M8



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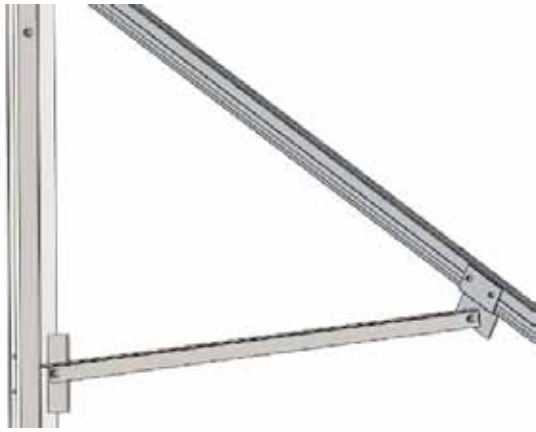
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ASSEMBLY OF THE PIVOT-BRACKET

The Pivot-Bracket is fastened to the CrossRail 62 with 2 DIN EN ISO 4762 M8 hexagonal socket screws and self-locking nuts.

Tightening torque: 24 Nm

Required materials: Pivot-Bracket, Allen bolt DIN EN ISO 4762 M 8 x 70, Self Locking Nut M8



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ASSEMBLY OF THE CROSS-TIE

Fasten the Cross-Tie to the L-Bracket and the Pivot-Bracket with 2 x DIN EN ISO 4762 M12 hexagonal socket screws and self-locking nuts.

Tightening torque: 56 Nm

Required materials: Cross-Tie, Allen bolt DIN EN ISO 4762 M 12 x 30, Self-Locking nut M12



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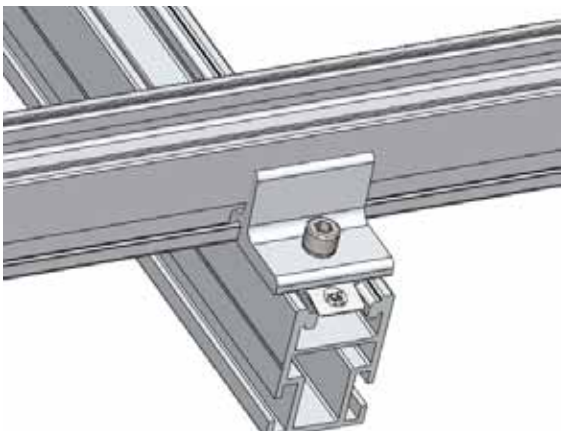
OVERVIEW OF THE RACKS

After assembling the Cross-Tie, firmly tighten the CrossRail 62's fasteners to the head.

Tightening torque: 24 Nm

Additional information:

Check the angle of the racks and if necessary adjust using the elongated holes in the L-Bracket



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MOUNTING OF K2 MODULE CARRIER RAILS WITH CLIMBER

The planned K2 module carrier rails are placed across the rack carriers and screwed on each with two climbers, Allen bolt DIN EN ISO 4762 M8 and M K2 slot nuts to both side flanks of the module carrier rail.

Tightening torque: 24 Nm

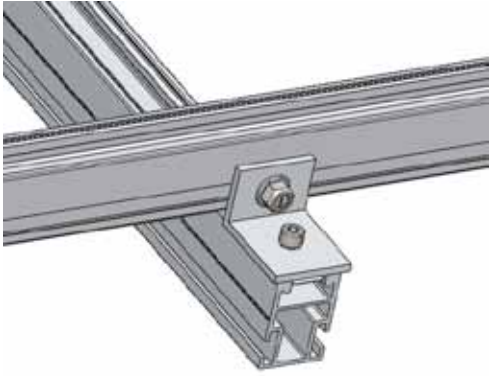
Additional information:

To set the spacing it is recommended to use spacers for quick assembly.

In the case of large ground slope use the CrossAngle.

The positions of the rails are to be derived from the drawings.

Required materials: K2 Rail, M K2 Slot Nut, Climber, Allen bolt DIN EN ISO 4762 M8 x 25



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ASSEMBLY OF K2 MODULE MOUNTING RAILS WITH CROSSANGLE

The intended K2 Module mounting rails are laid across the rack carrier and each fastened with two CrossAngles, DIN EN ISO 4762 M8 hexagonal socket screws, M K2 insert nuts, M10 cap screws and self-locking nuts to both side flanks of the module mounting rails.

Tightening torque M8: 24 Nm

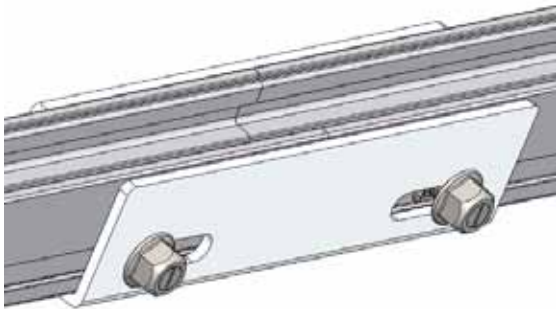
Tightening torque M10: 46 Nm

Additional information:

To set the spacing it is recommended to use spacers for quick assembly.

The positions of the rails are to be derived from the drawings.

Required materials: K2 Rail, M K2 Slot nut, CrossAngle, Allen bolt DIN EN ISO 4762 M8 x 20, T-bolt M10 x 20, Self-Locking nut



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INSTALL RAIL CONNECTORS

Assemble the rail connector set for CrossRail 48 with 4 cap screws. Pay attention to the correct position of the cap screws. Lay the rails touching each other. Fasten the connectors centrally.

Tightening torque: 46 Nm

Additional information:

According to project engineering, connectors must be mounted with zero torsional loading.

Required materials: Rail Connector Set



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MOUNT ALL REMAINING RAILS

All further rails must be assembled to rack carrier with spacing as per to the schematic.

Important: The racks must always be in balance (90°), also in the case of ground slopes.

In the case of horizontal module assembly refer to the AddOn module manual.



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END CLAMP ASSEMBLY

First, insert the slot nut M K2 into the CrossRail and rotate it by 90° clockwise. If the end and middle clamps are supplied as a set, please fix the entire set in the rail. Attach the solar modules according to the manufacturer's specifications to the mounting rails and fix end clamps and hexagon socket head cap screws DIN EN ISO 4762 M8 and slot nuts to the end of the rows.

Tightening torque: 14 Nm

Required materials: M K2 Slot nut, end clamps, Allen bolt DIN EN ISO 4762 M8



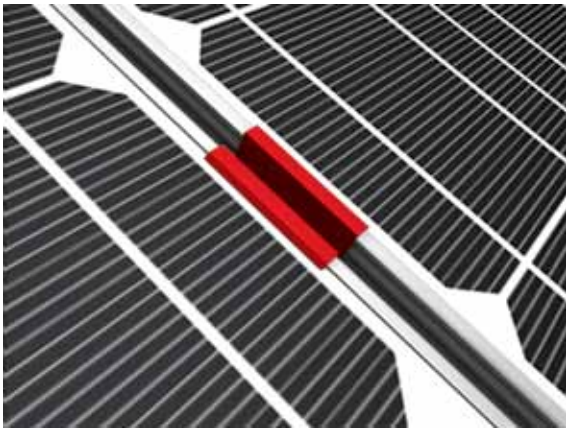
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FASTEN MODULE GAPS

Use two XS middle clamps between two modules, and screw into the slot nuts (DIN EN ISO 4762 M8 screws). Fastening with XS middle clamp require longer screws than the standard middle clamp.

Tightening torque: 14 Nm

Required materials: M K2 Slot Nut, XS Middle Clamp, M8 Screw



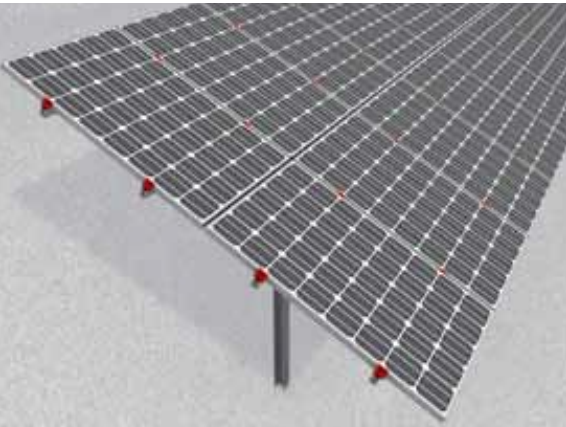
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Attaching with Standard Middle Clamp

Use two standard middle clamps each between two modules and screw into the slot nuts (DIN EN ISO 4762 M8 screws).

Tightening torque 14 Nm.

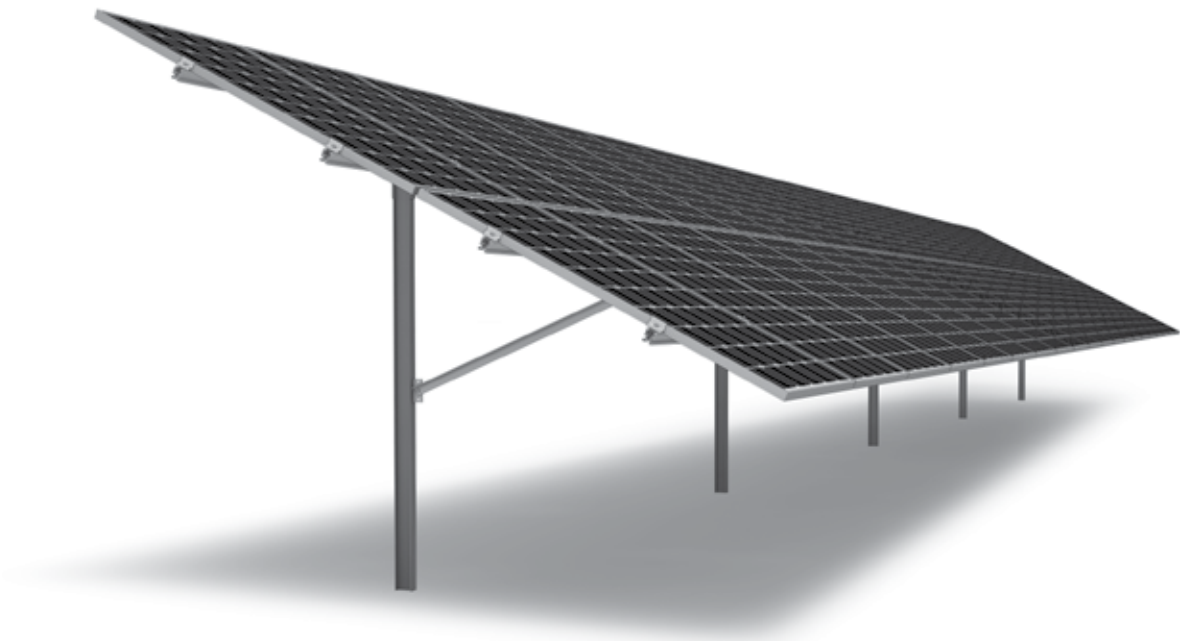
Required materials: M K2Slot Nut, Standard Middle Clamp, M8 Screw



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SPECIAL NOTES FOR ASSEMBLY

- Slot nuts at rail joints always must be avoided!
- Never mount middle or end clamps directly at rail joint or end of the rail!



THANK YOU FOR CHOOSING A K2 MOUNTING SYSTEM.

Systems from K2 Systems are fast and simple to install. We hope these instructions have helped you in this. Please contact us if you have any questions or suggestions for improvements. We are looking forward to receive your call on our

Service-Hotline +49 (0) 7152-3560-0

Terms and Conditions of K2 Solar Mounting Solutions Limited

The Customer's attention is particularly drawn to the provisions of clause 11.

1. INTERPRETATION

1.1 Definitions. In these Conditions, the following definitions apply:

Business Day: a day (other than a Saturday, Sunday or a public holiday) when banks in London are open for business.

Commencement Date: has the meaning set out in clause 2.2.

Conditions: these terms and conditions as amended from time to time in accordance with clause 14.8.

Contract: the contract between the Supplier and the Customer for the supply of Goods and/or Services in accordance with these Conditions.

Customer: the person or firm who purchases the Goods and/or Services from the Supplier.

Delivery Location: has the meaning set out in clause 4.1.

Force Majeure Event: has the meaning given to it in clause 14.1(a).

Goods: the goods (or any part of them) set out in the Order. Intellectual Property Rights: all intellectual property rights (including but not limited to, patents trade marks and domain names) in each case whether registered or unregistered and including all applications for and renewals or extensions of such rights, and all similar or equivalent rights or forms of protection in any part of the world.

Order: the Customer's order for the supply of Goods and/or Services, as set out in the Customer's purchase order form, or the Customer's written acceptance of the Supplier's quotation, or overleaf, as the case may be.

Services: the services supplied by the Supplier to the Customer as set out in the Service Specification.

Service Specification: the description or specification for the Services provided in writing by the Supplier to the Customer.

Supplier: K2 Solar Mounting Solutions Limited registered in England and Wales with company number 07688136 whose registered office is at K2 Solar Mounting Solutions Limited Unit 46 Easter Park Benyon Road RG7 2PQ Aldermaston, England.

1.2 Construction. In these Conditions, the following rules apply:

- a person includes a natural person, corporate or unincorporated body (whether or not having separate legal personality);
- a reference to a party includes its personal representatives, successors or permitted assigns;
- a reference to a statute or statutory provision is a reference to such statute or statutory provision as amended or re-enacted. A reference to a statute or statutory provision includes any subordinate legislation made under that statute or statutory provision, as amended or re-enacted;
- any phrase introduced by the terms including, include, in particular or any similar expression shall be construed as illustrative and shall not limit the sense of the words preceding those terms; and
- a reference to writing or written includes faxes and e-mails.

2. BASIS OF CONTRACT

- The Order constitutes an offer by the Customer to purchase Goods and/or Services in accordance with these Conditions. The Customer is responsible for ensuring that the Order and/or Service Specification are complete and accurate.
- The Order shall only be deemed to be accepted when the Supplier issues written acceptance of the Order at which point the Contract shall come into existence (Commencement Date).
- The Contract constitutes the entire agreement between the parties. The Customer acknowledges that it has not relied on any statement, promise or representation made or given by or on behalf of the Supplier which is not set out in the Contract.
- Any samples, drawings, descriptive matter or advertising issued by the Supplier and any descriptions of the Goods or illustrations or descriptions of the Services contained in the Supplier's catalogues or brochures are issued or published for the sole purpose of giving an approximate idea of the Services and/or Goods described in them. They shall not form part of the Contract or have any contractual force.
- These Conditions apply to the Contract to the exclusion of any other terms that the Customer seeks to impose or incorporate, or which are implied by trade, custom, practice or course of dealing.
- Any quotation given by the Supplier shall not constitute an offer, and is only valid for a period of 10 Business Days from its date of issue.
- All of these Conditions shall apply to the supply of both Goods and Services except where application to one or the other is specified.

3. GOODS

- The Goods are described in the Order.
- The Supplier reserves the right to amend the specification of the Goods if required by any applicable statutory or regulatory requirements.

- The Supplier reserves the right to make minor modifications to the specification of the Goods and the Services Specification. In particular, the Customer must accept any commercially customary deviations in quality, quantity, weight or other deviations unless explicitly agreed otherwise in writing.

4. DELIVERY OF GOODS

- The Supplier shall deliver the Goods to the location set out in the Order or such other location as the parties may agree (Delivery Address) at any time after the Supplier notifies the Customer that the Goods are ready.
- Delivery of the Goods shall be completed on delivery to or collection of the Goods by the carrier appointed by the Supplier to transport to the Delivery Address.
- At the Customers' request and expense, the Goods shall be insured against the risks identified by the Customer.
- Any dates quoted for delivery of the Goods are approximate only, and the time of delivery is not of the essence. The Supplier shall not be liable for any delay in delivery of the Goods that is caused by a Force Majeure Event or the Customer's failure to provide the Supplier with adequate delivery instructions or any other instructions that are relevant to the supply of the Goods.
- If the Supplier fails to deliver the Goods, its liability shall be limited to the costs and expenses incurred by the Customer in obtaining replacement goods of similar description and quality in the cheapest market available, less the price of the Goods. The Supplier shall have no liability for any failure to deliver the Goods to the extent that such failure is caused by a Force Majeure Event or the Customer's failure to provide the Supplier with adequate delivery instructions for the Goods or any relevant instruction related to the supply of the Goods.
- If the Customer fails to accept or take delivery of the Goods within 3 Business Days of the Supplier notifying the Customer that the Goods are ready, then except where such failure or delay is caused by a Force Majeure Event or by the Supplier's failure to comply with its obligations under the Contract in respect of the Goods:
 - delivery of the Goods shall be deemed to have been completed at 9.00 am on the fourth Business Day following the day on which the Supplier notified the Customer that the Goods were ready; and
 - the Supplier shall store the Goods until delivery takes place, and charge the Customer for all related costs and expenses (including insurance).
- If 14 Business Days after the Supplier notified the Customer that the Goods were ready for delivery the Customer has not accepted or taken delivery of them, the Supplier may resell or otherwise dispose of part or all of the Goods or a storage charge may be applied.
- The Supplier may deliver the Goods by instalments, which shall be invoiced and paid for separately. Each instalment shall constitute a separate contract. Any delay in delivery or defect in an instalment shall not entitle the Customer to cancel any other instalment.

5. QUALITY OF GOODS

- Unless otherwise agreed in writing the Goods are not intended for use in life-sustaining or life-supporting devices and systems, nuclear power plants, for military purpose, aerospace or other purposes where failure or misuse of the product can reasonably lead to life-threatening situations or cause catastrophic consequential damage.
- If the Customer uses the Goods in the circumstances described in clause 5.1, this shall occur at the Customer's own risk and sole responsibility. The Customer hereby indemnifies and holds harmless both the Supplier and the manufacturer on demand from any liability resulting from the use of Goods and Services in the circumstances described in clause 5.1, including the cost of an appropriate legal defence.
- Subject to clause 5.7, the Supplier shall pass on to the Customer the benefit under the manufacturers' warranties relating to the relevant Goods. If there is any defect or malfunction or any other problem relating to the quality or design of the Goods, the Customer must deal directly with the manufacturer although the Supplier will offer reasonable assistance to the Customer in such matters. The total liability of the Supplier for the design and quality of the Goods shall be limited to the benefit passed on to the Customer under the manufacturers' warranties.
- Subject to clause 5.6, if:
 - the Customer gives notice in writing to the Supplier within a reasonable time of discovery that some or all of the Goods do not comply with the warranty set out in clause 5.3; or
 - the Customer gives notice in writing to the Supplier within 3 Business Days of the date of delivery, for Goods damaged in transit to the Delivery Location; and
 - the Supplier is given a reasonable opportunity of examining such Goods; and

- (d) the Customer (if asked to do so by the Supplier) returns such Goods to the Supplier's place of business at the Customer's cost, the Supplier shall, at its option, repair or replace the defective Goods or Services, or refund the price of the defective Goods or Services in full.
- 5.5 Returns of Goods to the Supplier will only be accepted if the Goods returned are damaged or defective and the Customer follows the process set out in clause 5.4.
- 5.6 The Supplier shall not be liable for the failure of the Goods to comply with the warranty in clause 5.3 if:
- (a) the Customer makes any further use of such Goods after giving a notice in accordance with clause 5.4;
 - (b) the defect arises because the Customer failed to follow the Supplier's or manufacturer's oral or written instructions as to the storage, installation, commissioning, use or maintenance of the Goods or (if there are none) good trade practice;
 - (c) the Customer alters or repairs such Goods without the written consent of the Supplier;
 - (d) the defect arises as a result of fair wear and tear, wilful damage, negligence, or abnormal working conditions;
- 5.7 Except as provided in this clause 5, the Supplier shall have no liability to the Customer in respect of the Goods' failure to comply with the warranty set out in clause 5.3.
- 5.8 The terms of These Conditions shall apply to any repaired or replacement Goods supplied by the Supplier under clause 5.4.
- ## 6. TITLE AND RISK
- 6.1 The risk in the Goods shall pass to the Customer on completion of delivery.
- 6.2 Title to the Goods shall not pass to the Customer until the Supplier has received payment in full (in cash or cleared funds) for:
- (a) the Goods; and
 - (b) any other goods that the Supplier has supplied to the Customer.
- 6.3 Until title to the Goods has passed to the Customer, the Customer shall:
- (a) hold the Goods on a fiduciary basis as the Supplier's bailee;
 - (b) store the Goods separately from all other goods held by the Customer so that they remain readily identifiable as the Supplier's property;
 - (c) not remove, deface or obscure any identifying mark or packaging on or relating to the Goods;
 - (d) maintain the Goods in satisfactory condition and keep them insured against all risks for their full price on the Supplier's behalf from the date of delivery;
 - (e) notify the Supplier immediately if it becomes subject to any of the events listed in clause 12.1(b); and
 - (f) give the Supplier such information relating to the Goods as the Supplier may require from time to time, but the Customer may resell or use the Goods in the ordinary course of its business.
- 6.4 If before title to the Goods passes to the Customer the Customer becomes subject to any of the events listed in clause 12.1(b), or the Supplier reasonably believes that any such event is about to happen and notifies the Customer accordingly, then, provided the Goods have not been resold, or irrevocably incorporated into another product, and without limiting any other right or remedy the Supplier may have, the Supplier may at any time require the Customer to deliver up the Goods and, if the Customer fails to do so promptly, enter any premises of the Customer or of any third party where the Goods are stored in order to recover them.
- ## 7. SUPPLY OF SERVICES
- 7.1 The Supplier shall provide the Services to the Customer in accordance with the Service Specification in all material respects.
- 7.2 The Supplier shall use all reasonable endeavours to meet any performance dates for the Services specified in the Service Specification, but any such dates shall be estimates only and time shall not be of the essence for the performance of the Services.
- 7.3 The Supplier shall have the right to make any changes to the Services which are necessary to comply with any applicable law or safety requirement, or which do not materially affect the nature or quality of the Services, and the Supplier shall notify the Customer in any such event.
- 7.4 The Supplier warrants to the Customer that the Services will be provided using reasonable care and skill.
- ## 8. CUSTOMER'S OBLIGATIONS
- 8.1 The Customer shall:
- (a) ensure that the terms of the Order are complete and accurate;
 - (b) co-operate with the Supplier in all matters relating to the Services;
 - (c) provide the Supplier, its employees, agents, consultants and subcontractors, with access to its premises, office accommodation and other facilities as reasonably required by the Supplier to provide the Services;
- (d) provide the Supplier with such information and materials as the Supplier may reasonably require to supply the Services, and ensure that such information is accurate in all material respects.
- 8.2 If the Supplier's performance of any of its obligations in respect of the Services is prevented or delayed by any act or omission by the Customer or failure by the Customer to perform any relevant obligation (Customer Default):
- (a) the Supplier shall without limiting its other rights or remedies have the right to suspend performance of the Services until the Customer remedies the Customer Default, and to rely on the Customer Default to relieve it from the performance of any of its obligations to the extent the Customer Default prevents or delays the Supplier's performance of any of its obligations;
 - (b) the Supplier shall not be liable for any costs or losses sustained or incurred by the Customer arising directly or indirectly from the Supplier's failure or delay to perform any of its obligations as set out in this clause 8.2; and
 - (c) the Customer shall reimburse the Supplier on written demand for any costs or losses sustained or incurred by the Supplier arising directly or indirectly from the Customer Default.
- ## 9. CHARGES AND PAYMENT
- 9.1 The price for Goods shall be the price set out in the Order or, if no price is quoted, the price set out in the Supplier's published price list as at the date of delivery. The price of the Goods is exclusive of all costs and charges of packaging, insurance, transport of the Goods, which shall be paid by the Customer when it pays for the Goods.
- 9.2 In respect of Goods and Services, the Supplier shall invoice the Customer on the date of Delivery (unless otherwise agreed in writing between the parties).
- 9.3 The Customer shall pay each invoice submitted by the Supplier:
- (a) on the date of Delivery (unless otherwise agreed in writing between the parties); and
 - (b) in full and in cleared funds to a bank account nominated in writing by the Supplier, and time for payment shall be of the essence of the Contract.
- 9.4 All amounts payable by the Customer under the Contract are exclusive of amounts in respect of value added tax chargeable from time to time (VAT). Where any taxable supply for VAT purposes is made under the Contract by the Supplier to the Customer, the Customer shall, on receipt of a valid VAT invoice from the Supplier, pay to the Supplier such additional amounts in respect of VAT as are chargeable on the supply of the Services or Goods at the same time as payment is due for the supply of the Services or Goods.
- 9.5 Without limiting any other right or remedy of the Supplier, if the Customer fails to make any payment due to the Supplier under the Contract by the due date for payment (Due Date), the Supplier shall have the right to charge interest on the overdue amount at the rate of 4% per cent per annum above the then current Lloyds TSB Bank Plc's base rate accruing on a daily basis from the Due Date until the date of actual payment of the overdue amount, whether before or after judgment, and compounding quarterly.
- 9.6 The Customer shall pay all amounts due under the Contract in full without any deduction or withholding except as required by law and the Customer shall not be entitled to assert any credit, set-off or counterclaim against the Supplier in order to justify withholding payment of any such amount in whole or in part. The Supplier may, without limiting its other rights or remedies, set off any amount owing to it by the Customer against any amount payable by the Supplier to the Customer.
- ## 10. INTELLECTUAL PROPERTY RIGHTS
- 10.1 All Intellectual Property Rights in or arising out of or in connection with the Services shall be owned by the Supplier.
- 10.2 The Customer acknowledges that, in respect of any third party Intellectual Property Rights in the Services, the Customer's use of any such Intellectual Property Rights is conditional on the Supplier obtaining a written licence from the relevant licensor on such terms as will entitle the Supplier to license such rights to the Customer.
- ## 11. LIMITATION OF LIABILITY
- The Customer's attention is particularly drawn to this clause
- 11.1 Nothing in these Conditions shall limit or exclude the Supplier's liability for:
- (a) death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors;
 - (b) fraud or fraudulent misrepresentation;
 - (c) breach of the terms implied by section 2 of the Supply of Goods and Services Act 1982 (title and quiet possession);
 - (d) breach of the terms implied by section 12 of the Sale of Goods Act 1979 (title and quiet possession); or
 - (e) defective products under the Consumer Protection Act 1987.

11.2 Subject to clause 11.1:

- (a) the Supplier shall under no circumstances whatever be liable to the Customer, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, for any loss of profit, or any indirect or consequential loss arising under or in connection with the Contract; and
 - (b) the Supplier's total liability to the Customer in respect of all other losses arising under or in connection with the Contract, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, shall in no circumstances exceed the value of the Goods.
- 11.3 Except as set out in these Conditions, all warranties, conditions and other terms implied by statute or common law are, to the fullest extent permitted by law, excluded from the Contract.
- 11.4 For K2 products the Terms of Guarantee apply as can be viewed at <http://www.k2-systems.com/en/downloads/product-information.html>.
- 11.5 This clause 11 shall survive termination of the Contract.

12. TERMINATION

- 12.1 Without limiting its other rights or remedies, the Supplier may terminate the Contract with immediate effect by giving written notice to the other party if:
- (a) the other party commits a material breach of its obligations under this Contract and (if such breach is remediable) fails to remedy that breach within 7 Business Days after receipt of notice in writing of the breach;
 - (b) the other party suspends, or threatens to suspend, payment of its debts or appears to be unable to pay its debts as they fall due or admits inability to pay its debts or (being a company) is deemed unable to pay its debts within the meaning of section 123 of the Insolvency Act 1986 or (being an individual) is deemed either unable to pay its debts or as having no reasonable prospect of so doing, in either case, within the meaning of section 268 of the Insolvency Act 1986 or (being a partnership) has any partner to whom any of the foregoing apply or any similar event occurs or any similar proceedings occur in any other jurisdiction;
 - (c) the other party suspends, threatens to suspend, ceases or threatens to cease to carry on, all or substantially the whole of its business; or
 - (d) by giving written notice to the Customer if the Customer fails to pay any amount due under this Contract on the due date for payment;
 - (e) the Supplier gives the Customer one month's written notice.
- 12.2 Without limiting its other rights or remedies, the Supplier shall have the right to suspend the supply of Services or all further deliveries of Goods under the Contract or any other contract between the Customer and the Supplier if:
- (a) the Customer fails to make pay any amount due under this Contract on the due date for payment; or
 - (b) the Customer becomes subject to any of the events listed in clause 12.1(b), or the Supplier reasonably believes that the Customer is about to become subject to any of them.

13. CONSEQUENCES OF TERMINATION

On termination of the Contract for any reason:

- (a) the Customer shall immediately pay to the Supplier all of the Supplier's outstanding unpaid invoices and interest and, in respect of Services supplied but for which no invoice has yet been submitted, the Supplier shall submit an invoice, which shall be payable by the Customer immediately on receipt;
- (b) the accrued rights and remedies of the parties as at termination shall not be affected, including the right to claim damages in respect of any breach of the Contract which existed at or before the date of termination or expiry; and
- (c) clauses which expressly or by implication have effect after termination shall continue in full force and effect.

14. GENERAL

14.1 Force majeure:

- (a) For the purposes of this Contract, Force Majeure Event means an event beyond the reasonable control of the Supplier including but not limited to strikes, lock-outs or other industrial disputes (whether involving the workforce of the party or any other party), failure of a utility service or transport network, act of God, war, riot, civil commotion, malicious damage, compliance with any law or governmental order, rule, regulation or direction, accident, breakdown of plant or machinery, fire, flood, storm or default of suppliers or subcontractors.
- (b) The Supplier shall not be liable to the Customer as a result of any delay or failure to perform its obligations under this Contract as a result of a Force Majeure Event.

- (c) If the Force Majeure Event prevents the Supplier from providing any of the Services and/or Goods for more than 3 weeks, the Supplier shall, without limiting its other rights or remedies, have the right to terminate this Contract immediately by giving written notice to the Customer.

14.2 Assignment and subcontracting:

- (a) The Supplier may at any time assign, transfer, charge, subcontract or deal in any other manner with all or any of its rights under the Contract and may subcontract or delegate in any manner any or all of its obligations under the Contract to any third party.
- (b) The Customer shall not, without the prior written consent of the Supplier, assign, transfer, charge, subcontract or deal in any other manner with all or any of its rights or obligations under the Contract.

14.3 Notices:

- (a) Any notice or other communication required to be given to a party under or in connection with this Contract shall be in writing and shall be delivered to the other party personally or sent by prepaid first-class post, recorded delivery or by commercial courier, at its registered office (if a company) or (in any other case) its principal place of business, or sent by e-mail to the other party's main fax number or e-mail address.
- (b) Any notice or other communication shall be deemed to have been duly received if delivered personally, when left at such address, if sent by prepaid first-class post or recorded delivery, at 9.00 am on the third Business Day after posting, or if delivered by commercial courier, on the date and at the time that the courier's delivery receipt is signed, or if sent by fax or e-mail, on the next Business Day after transmission.
- (c) This clause 14.3 shall not apply to the service of any proceedings or other documents in any legal action. For the purposes of this clause, "writing" shall not include e-mails and for the avoidance of doubt notice given under this Contract shall not be validly served if sent by e-mail.

14.4 Waiver and cumulative remedies:

- (a) A waiver of any right under the Contract is only effective if it is in writing and shall not be deemed to be a waiver of any subsequent breach or default. No failure or delay by a party in exercising any right or remedy under the Contract or by law shall constitute a waiver of that or any other right or remedy, nor preclude or restrict its further exercise. No single or partial exercise of such right or remedy shall preclude or restrict the further exercise of that or any other right or remedy.
- (b) Unless specifically provided otherwise, rights arising under the Contract are cumulative and to not exclude rights provided by law.

14.5 Severance:

- (a) If a court or any other competent authority finds that any provision of the Contract (or part of any provision) is invalid, illegal or unenforceable, that provision or part-provision shall, to the extent required, be deemed deleted, and the validity and enforceability of the other provisions of the Contract shall not be affected.
- (b) If any invalid, unenforceable or illegal provision of the Contract would be valid, enforceable and legal if some part of it were deleted, the provision shall apply with the minimum modification necessary to make it legal, valid and enforceable.

14.6 No partnership: Nothing in the Contract is intended to, or shall be deemed to, constitute a partnership or joint venture of any kind between any of the parties, nor constitute any party the agent of another party for any purpose. No party shall have authority to act as agent for, or to bind, the other party in any way.

14.7 Third parties: A person who is not a party to the Contract shall not have any rights under or in connection with it.

14.8 Variation: Except as set out in these Conditions, any variation, including the introduction of any additional terms and conditions, to the Contract shall only be binding when agreed in writing and signed by the Supplier.

14.9 Governing law and jurisdiction: This Contract, and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims), shall be governed by, and construed in accordance with, English law, and the parties irrevocably submit to the exclusive jurisdiction of the courts of England and Wales.

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Mounting systems for solar technology



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