



# Product Catalog

## Solar Mounting Solutions



ISO 9001: 2015 quality management system certified





**Disclaimer :**

We make every effort to ensure that all the information contained within our catalogue is complete and accurate. Due to continuous product optimization we reserve the right to make any changes or corrections to our products and this catalogue as well as individual product information at any time without prior notice. All previous catalogues and individual product information become invalid upon the release of the later publications.

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# ABOUT US Enerack

Xiamen Enerack Technology Co., Ltd. located in Xiamen city. Specialize in research, design, development, production, and service of solar PV Mounting systems. We are committed to providing customers with stable, reliable and cost-effective solutions of roof mounting system, ground mounting system, and construction of various photovoltaic power stations for civil and commercial use, government departments, power stations projects etc.

Enerack company owns a factory with more than 80 skilled workers, having over 10 years solar products production experience. With a complete R& D processing and high manufacturing capacity, strictly following ISO9001 quality control system. Our products design strictly in accordance with Australia AS/NZS1170.2, JIS C 8955, MCS012, TUV, UL2703, European building codes and other standards. Ensure that every code and regulation is fully complied with all applicable local or national building codes.

Enerack offering innovative design and integrative settlement solution to our customers based on years of experiences on design, production and sale. We achieved good trust from customers because of our stable and excellent products. We will try our best to become a world leading level supplier of solar photovoltaic systems integration solutions .



Manufacturing facilities for both aluminum and steel products



Global service



Design standard: TUV, AS 1170.2:2011, JIS C 8955:2011, UL 1703/2703



Direct racking supply



Experienced team since 2010



15 Years warranty



3



4



A large solar panel array is mounted on a metal structure in a field. The panels are dark blue with white grid lines. The structure is made of metal poles and brackets. The ground is dry and dusty. There are some trees in the background under a clear blue sky.

# Global Roofing

We have worked with roofing manufacturers and professional installers across the globe to develop, produce and deliver roof solar mounting solutions for a variety of roofs. Mounting solutions are available for popular and common roofing profiles manufactured from Africa, Europe, Middle East, Asia, America, Australia and New Zealand.

## Latin America

Bluescope  
Armco

## Africa

Safintra  
DURObuild  
Classecon Roofing

## AU/NZ

Lysaght  
revolution roofing  
Stramit  
Apexsteel  
McElroymetal  
Fielders  
Dimond Roofing  
Foofing Industries Ltd  
Metalcraft roofing  
JCP roofing

## European

Domico  
Kingspan  
Kalzip  
Riverclack  
Rukki  
Versasteel  
Phoenix Steels  
Cladco Profiles Ltd  
Accord Steel Cladding Ltd-C  
German-Münker Metallprofile  
Zambelli

## North America

ASC Profiles  
Butler Manufacturing  
ATAS International  
VP Buildings  
Metal Depots  
Metal Sales  
McElroy-Metal  
Fabral  
Flatiron Steel  
Vicwest  
CBS Sheetmetal  
Lakefront Roofing & Siding Supply  
unioncorrugating  
NCI Building Systems-  
Bridger-Steel

## Japan

Kyowa  
Nihon Teppan  
Sanko  
Jfe-Nikkenban

## South-east Asia

Lysaght  
Tata steel  
Good Steel  
Kextra  
GAF





## Global Service & Proven Records

Enerack clamps and solar roof mount has been installed worldwide, from South Africa, Tanzania, Kenya of Africa, Netherlands, Hungary, Belgium, Sweden, Norway, Poland, Ukraine, Romania of Europe, Oman, Qatar, Dubai or Middle East, Sri Lanka, India, Indonesia, Malaysia, Thailand, Philippines, Singapore, Japan, Korea, China of Asia, Australia and New Zealand, to Canada, USA, Mexico, Panama, Costa Rica, Guatemala, Honduras, Colombia, Argentina, Brazil, Uruguay or America.

manufactured for Africa, Europe, Middle East, Asia, America, Australia and New Zealand.







**East & West Ballasted PRO-Romania**



**Pole Mount-Australia**



**Carport Mount-France**



**Ballasted Mounting-Bulgaria**



**Ground Mount-Thailand**



**Ground Mount-Romania**





**Carport Mount-Hungary**



**Tile Roof Mount-Slovenia**



**Metal Roof Mount-Hungary**



**Metal Roof Mount-Malaysia**



**Ballasted PRO-Latvia**



**Tile Roof Mount-Hungary**





Form QAT\_10-M05, version 00, effective since March 25th, 2020

### Certificate of Compliance

No. 0P200915.XETCN79  
Technical Construction File no. MD-TCF-200910-26806

Certificate's Holder: Xiamen Enerack Technology Co., Ltd.  
203A, No.6 Huli Avenue, Huli District, Xiamen, China

Certification ECM Mark:

Product: Enerack Mini Rail Solar Mounting  
Model(s): ERK-TR8-D10

Verification to: Standard: EN ISO 12100:2010  
related to CE Directive(s): 2006/42/EC (Machinery)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:  
The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products, RG01\_ECM rev.3 available at: [www.entecma.it](http://www.entecma.it)

Issuance date: 15 September 2020  
Expiry date: 14 September 2025

Reviewer: Technical expert Amanda Payne  
Approver: ECM Service Director Luca Sedgini

Ente Certificazione Macchine Srl  
Via Ca' Bella, 243 - Loc. Castello di Serravalle - 40053 Valsamoggia (BO) - ITALY  
☎ +39 051 6705141 ☎ +39 051 6705156 ✉ info@entecma.it 🌐 www.entecma.it

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Form QAT\_10-M05, version 00, effective since March 25th, 2020

### CERTIFICATE

No. Z2 107999 0001 Rev. 00

Holder of Certificate: Xiamen Enerack Technology Co., Ltd.  
203A, No.6 Huli Avenue, Huli District, Xiamen, China  
PEOPLE'S REPUBLIC OF CHINA

Production Facility(ies): 108023

Certification Mark:

Product: Photovoltaic (PV) Mounting System  
Model(s): Tile roof mounting system

Parameters: Construction site: Germany, the site altitude above sea level is less than 285m.  
Snow conditions: Snow district: Zone 2  
Wind zone: Wind zone 2  
Max height of building: 18m  
Angle of system: 30°

Tested according to: PPP 59029A:2013

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/pst](http://www.tuvsud.com/pst)

Test report no.: 703002003501-00  
Valid until: 2025-05-24

Date, 2020-05-25  
(Neko (Yubin) Ding)

Page 1 of 1  
TUV SUD Product Service GmbH • Certification Body • Riederstraße 65 • 80339 Munich • Germany

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Form QAT\_10-M05, version 00, effective since March 25th, 2020

11 December 2018  
Project number: U117\_API

Xiamen Enerack Technology Co. Ltd.  
203A, Norinco business plaza, NO.6, Huli Avenue,  
Huli District, Xiamen, Fujian China, 361006.

Dear Sir,

RE: ENERACK SOLAR ROOF MOUNTING FOR PORTRAIT ORIENTATED TILT MOUNTED SOLAR PANELS.

As requested, we have reviewed the structural adequacy of the Aluminum support framing components as detailed in the drawings issued by Xiamen Enerack Technology Co. Ltd. We have design investigated for the Aluminum Railing as shown below. The section of the railing is shown below.

The panels in portrait orientation are supported by two rows of railing. The railings are supported by the legs which are fixed directly to the rafters, purlins or concrete roof.

The spacing of the back legs shall be limited as tabulated below in tables 1.1 & 1.2 for 1700 long panels and 2.1 & 2.2 for 2100 panels. Refer to Figure C on page 2 for wind regions and terrain categories as defined in AS1170.2. The spacing for the lower rail fixing can be increased by a third of the shorter legs. (Example: Spacing of longer leg-450. Spacing of lower railing-600).

Figure A Rail Detail  
Figure B Configuration.

Note: Tilt angle is measured from the surface of the roof to the PV panel.

SPAD Pty Ltd ABN 47 090 039 571  
Consulting Structural & Civil Engineers  
114 Pyrmont Bridge Road, Annandale,  
NSW 2038 AUSTRALIA

tel: +61 (0) 9565 5556  
fax: +61 (0) 9565 5558  
info@spadengineer.com.au  
www.spadengineer.com.au

Director: Puheer C Puheerathan  
BScEng, MEngSc, FEAust, CEng,  
NREH (Civil & Structural)

ЗЕРТИКАТ - CERTIFICATE - 認証書 - CERTIFICADO - CERTIFICAT - CERTIFICAT - CERTIFICAT

Form QAT\_10-M04, version 00, effective since March 25th, 2020

### Certificate of Compliance

No. 0P211227.XETSU14  
Test Report / Technical Construction File no. TCF-21122435883

Certificate's Holder: Xiamen Enerack Technology Co., Ltd.  
203A, No.6 Huli Avenue, Huli District, Xiamen, China

Certification ECM Mark:

Product: Enerack Carport Mounting System  
Model(s): ERK-WPC

Verification to: Standard: EN 1090-1:2009+A1:2011  
related to Regulation (EU): R 305/2011 (Regulation for the Marketing of Construction Products)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:  
The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products, RG01\_ECM rev.3 available at: [www.entecma.it](http://www.entecma.it)

Issuance date: 27 December 2021  
Expiry date: 26 December 2026

Reviewer: Technical expert Amanda Payne  
Approver: ECM Service Director Luca Sedgini

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Via Ca' Bella, 243 - Loc. Castello di Serravalle - 40053 Valsamoggia (BO) - ITALY  
☎ +39 051 6705141 ☎ +39 051 6705156 ✉ info@entecma.it 🌐 www.entecma.it

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Form QAT\_10-M05, version 00, effective since March 25th, 2020

### Certificate of Compliance

No. 0P200915.XETCN78  
Technical Construction File no. MD-TCF-200910-26805

Certificate's Holder: Xiamen Enerack Technology Co., Ltd.  
203A, No.6 Huli Avenue, Huli District, Xiamen, China

Certification ECM Mark:

Product: Enerack Ballasted Solar Mounting System  
Model(s): ERK-BSR-15

Verification to: Standard: EN ISO 12100:2010  
related to CE Directive(s): 2006/42/EC (Machinery)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

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Form QAT\_10-M05, version 00, effective since March 25th, 2020

### Certificate of Compliance

No. 0P201015.XETST48  
Technical Construction File no. MD-TCF-201014-27236

Certificate's Holder: Xiamen Enerack Technology Co., Ltd.  
203A, No.6 Huli Avenue, Huli District, Xiamen, China

Certification ECM Mark:

Product: Enerack Ground Mounting System  
Model(s): ERK-GMS

Verification to: Standard: EN ISO 12100:2010  
related to CE Directive(s): 2006/42/EC (Machinery)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

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Form QAT\_10-M04, version 00, effective since March 25th, 2020

### Certificate of Compliance

No. 0P211227.XETSU14  
Test Report / Technical Construction File no. TCF-21122435883

Certificate's Holder: Xiamen Enerack Technology Co., Ltd.  
203A, No.6 Huli Avenue, Huli District, Xiamen, China

Certification ECM Mark:

Product: Enerack Carport Mounting System  
Model(s): ERK-WPC

Verification to: Standard: EN 1090-1:2009+A1:2011  
related to Regulation (EU): R 305/2011 (Regulation for the Marketing of Construction Products)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

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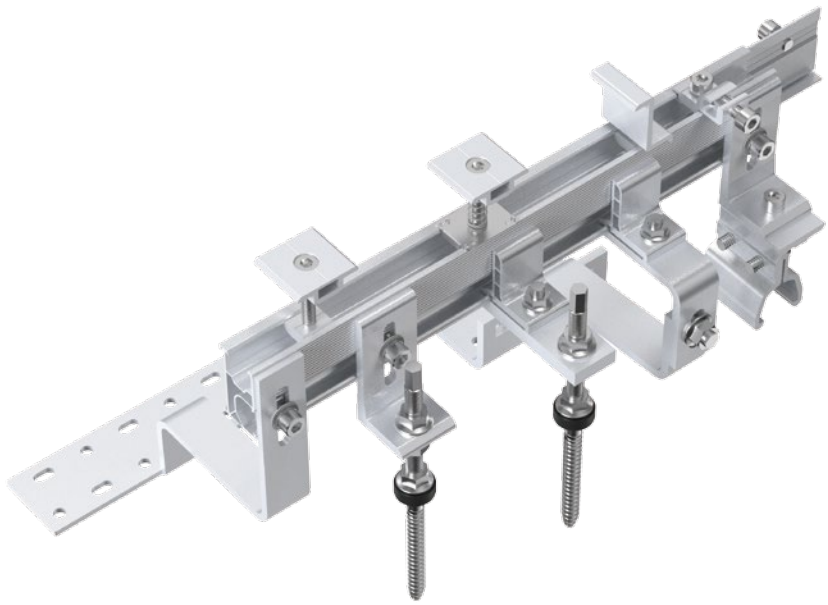
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# Rail & Accessories



According to different markets, different customer requirements, as well as the project budget, we design and produce various types of rails and accessories to meet the customer's projects need. Each product is subjected to rigorous strength calculation, SGS testing, TUV, CE, and AS/NZS1170.2 certifications.



1  
Item No. ERK-SFR-01  
Description Splice for Rail Kit 01



2  
Item No. ERK-SFR-02  
Description Splice for Rail Kit 02



3  
Item No. ERK-TEC  
Description Thin Film Double-glazed Module End Clamp Kit



4  
Item No. ERK-TIC  
Description Thin Film Double-glazed Module Inner Clamp Kit



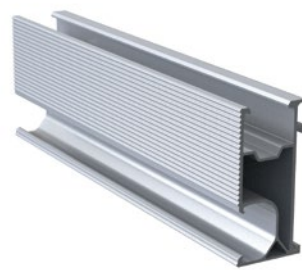
5  
Item No. ERK-R52  
Description Enerack 52mm Rail



6  
Item No. ERK-R52L  
Description Enerack 52mm L Rail



7  
Item No. ERK-R62  
Description Enerack 62mm Rail



8  
Item No. ERK-R62C  
Description Enerack 62mm C Rail



9  
Item No. ERK-R60  
Description Enerack 60mm Rail



10  
Item No. ERK-R70  
Description Enerack 70mm Rail



11  
Item No. ERK-R42  
Description Enerack 42mm Rail





12  
Item No. ERK-R41  
Description Enerack 41mm Rail (T-Bolt)





# Rail & Accessories
















13	Item No. Description	ERK-R41-2 Enerack 41mm Rail for Ballasted Mounting	14	Item No. Description	ERK-R46 Enerack 46mm Rail	21	Item No. Description	ERK-EIC Universal Adjustable (30-40mm) Inner Clamp Kit (Include Spring & Earthing Clip)	22	Item No. Description	ERK-FEC General End Clamp Kit
											
15	Item No. Description	ERK-R29 Enerack 29mm Rail	16	Item No. Description	ERK-R26 Enerack 26mm Rail	23	Item No. Description	ERK-RCN Standard Rail Clamp with ERK Nuts Kita	24	Item No. Description	ERK-RCB Standard Rail Clamp with T-Bolt Kit
											
17	Item No. Description	ERK-R65 Enerack 65mm Rail	18	Item No. Description	ERK-REC ERK-R52 Rail & ERK-R52L Rail End Cover Cap	25	Item No. Description	ERK-FEC-3035 30 & 35mm Exchange End Clamp Kit	26	Item No. Description	ERK-RCC Standard Rail Clamp with the Carriage Bolt
											
19	Item No. Description	ERK-AEC Universal Adjustable (30-35mm) End Clamp Kit	20	Item No. Description	ERK-AIC Universal Adjustable (30-40mm) Inner Clamp Kit	27	Item No. Description	ERK-ELG-01 Earthing Lug Kit	28	Item No. Description	ERK-ELG-02 Earthing Lug Kit 02
											



# Rail & Accessories



29	Item No. Description	ERK-ELG-03 Earthing Lug Kit 03	30	Item No. Description	ERK-NUT ERK Nuts		Item No. Description	ERK-CCP-03 Cable Clip for PV Panels for Holding 3 Cables	37	Item No. Description	ERK-CCP-04 Cable Clip for PV Panels for Holding 2 Cables	38
												
31	Item No. Description	ERK-NBW ERK Nuts Assembly with Bolt and Washer Kit	32	Item No. Description	ERK-TBK T-Bolt Kit		Item No. Description	ERK-CCP-05 Cable Clip for PV Panels for Holding 4 Cables	39	Item No. Description	ERK-CCP-06 Cable Clip for PV Panels for Holding 3 Cables	40
												
33	Item No. Description	ERK-REL-A Standard Rail Earthing Plate Type A	34	Item No. Description	ERK-REL-B Standard Rail Earthing Plate Type B		Item No. Description	ERK-CCP-07 90° Cable Clip for PV Panels for Holding 2 Cables	41			
												
35	Item No. Description	ERK-CCP-01 Cable Clip for PV Panels for Holding 3 Cables	36	Item No. Description	ERK-CCP-02 Cable Clip for PV Panels for Holding 2 Cables							
												



# Metal Roof Attachment



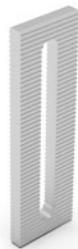
Enerack Tin roof systems divided into two fixing methods:

- 1. Drilling solutions, like bracket L-feet, hanger bolt, T type hook etc.
- 2. Standing seam clamp, direct mounting, no damage to the roof.

A design that includes major specifications saves you inventory cost, quick and easy to install. Innovative design of rail connect base-support can effectively increase the product strength, ensure the safety of the product use. Enerack have a large variety of tin roof brackets for customers' choice Customization allowed according to customers' need to meet special installation requirements.

Technical features:	
Product name	Metal roof mounting system
Application	Metal roof
Inclination	Parallel to the roof
Material	AL 6005-T5, SUS 304, EPDM
Finish	AL 6005-T5 Anodized, SUS 304 Shot blasting
Module orientation	Landscape or Portrait

1	Item No. Description	ERK-TRB-D27 Height adjust plate for L feet
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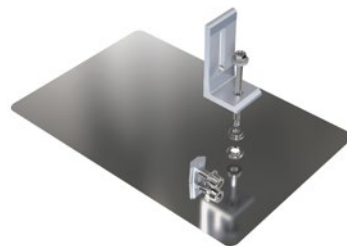
2	Item No. Description	ERK-TRB-D22 L Feet for Trapezoidal Sheet Metal
---	-------------------------	---



3	Item No. Description	ERK-TRB-D05 Hanger Bolt for Corrugated Fibre Cement, Corrugated or Trapezoidal Sheet Metal (M10×180, M10×200, M10×250, M10×300)
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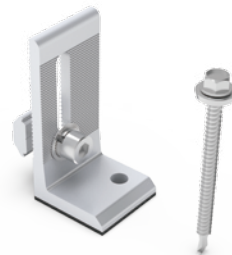
4	Item No. Description	ERK-TRB-D09 Asphalt Shingles Interface
---	-------------------------	---



5	Item No. Description	ERK-TRB-D01 L Feet for Corrugated or Trapezoidal Sheet Metal
---	-------------------------	---



6	Item No. Description	ERK-TRB-D25 Offset Hole L Feet for Corrugated or Trapezoidal Sheet Metal
---	-------------------------	---



7	Item No. Description	ERK-TRB-D03 Hanger Bolt L Feet for Corrugated Fibre Cement, Corrugated or Trapezoidal Sheet Metal (M10×180, M10×200, M10×250, M10×300)
---	-------------------------	---



8	Item No. Description	ERK-TRB-D26 Hanger Bolt Offset Hole L Feet for Corrugated Fibre Cement, Corrugated or Trapezoidal Sheet Metal (M10×180, M10×200, M10×250, M10×300)
---	-------------------------	---



9	Item No. Description	ERK-TRB-D08 8# Tin Roof Hook for Trapezoidal Sheet Metal
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10	Item No. Description	ERK-TRB-D07 7# Tin Roof Hook for Trapezoidal Sheet Metal
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11	Item No. Description	ERK-TRB-D06 6# Tin Roof Hook for Trapezoidal Sheet Metal
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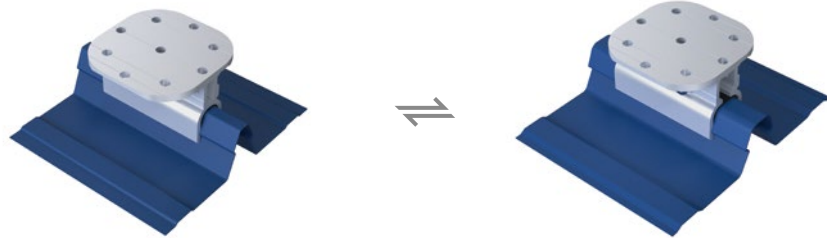








12	Item No. Description	ERK-TRB-D21 21# Tin Roof Hook for Trapezoidal Sheet Metal
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# Metal Roof Attachment



<div>13</div> <div>Item No. Description</div> <div>ERK-TRB-D28 70mm Mini Rail for Corrugated or Trapezoidal Sheet Metal</div> <div></div>	<div>14</div> <div>Item No. Description</div> <div>ERK-TRB-D20 65mm Mini Rail for Corrugated or Trapezoidal Sheet Metal</div> <div></div>	<div>Item No. Description</div> <div>ERK-TRB-C02 Klip Lok 406 &amp; 700 Interface</div> <div></div>	<div>20</div>
<div>15</div> <div>Item No. Description</div> <div>ERK-TRB-D13 60mm Mini Rail for Corrugated or Trapezoidal Sheet Metal</div> <div></div>	<div>16</div> <div>Item No. Description</div> <div>ERK-TRB-D10 26mm Mini Rail for Corrugated or Trapezoidal Sheet Metal</div> <div></div>	<div>Item No. Description</div> <div>ERK-TRB-C04 Standing Seam Clamp</div> <div></div>	<div>21</div>
<div>17</div> <div>Item No. Description</div> <div>ERK-TRB-D11 29mm U Type Rail for Corrugated or Trapezoidal Sheet Metal</div> <div></div>	<div>18</div> <div>Item No. Description</div> <div>ERK-TRB-D14 46mm Mini Rail for Corrugated or Trapezoidal Sheet Metal</div> <div></div>	<div>Item No. Description</div> <div>ERK-TRB-C05 Standing Seam Clamp</div> <div></div>	<div>22</div>
<div>19</div> <div>Item No. Description</div> <div>ERK-TRB-C01 Klip Lok 406 &amp; 700 Interface</div> <div></div>	<div>Item No. Description</div> <div>ERK-TRB-C06 Standing Seam Clamp</div> <div></div>	<div>23</div>	



# Metal Roof Attachment



24

Item No. ERK-TRB-C14  
Description Metdek 855 Dimondek 630 Interface



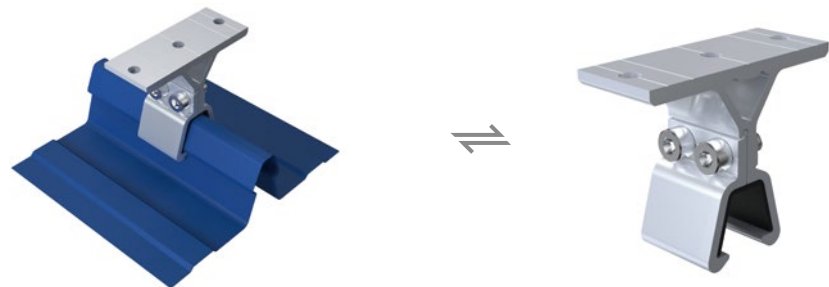
Item No. ERK-TRB-C21  
Description Standing Seam Clamp



28

25

Item No. ERK-TRB-C15  
Description Metdek 500 Interface



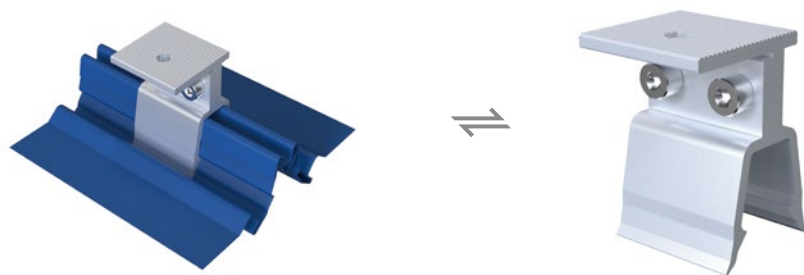
Item No. ERK-TRB-C22  
Description Standing Seam Clamp



29

26

Item No. ERK-TRB-C16  
Description RiverClack Roofing Profile



Item No. ERK-TRB-C23  
Description Klip Lok 700 Interface



30

27

Item No. ERK-TRB-C20  
Description Lysaght Klip-lok 406 Interface



Item No. ERK-TRB-C24  
Description Standing Seam Clamp



31

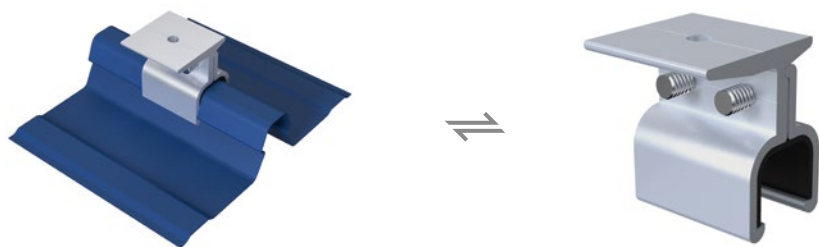


# Metal Roof Attachment

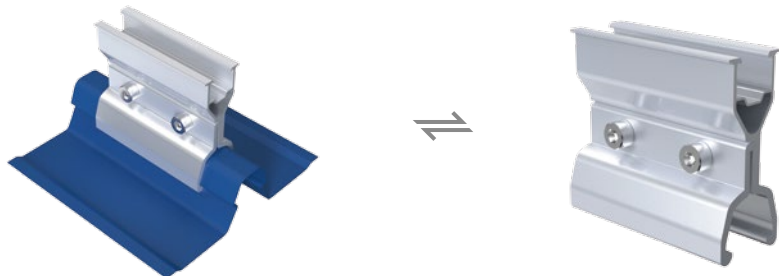


32

Item No. ERK-TRB-C25  
Description Klip Lok 700 Interface



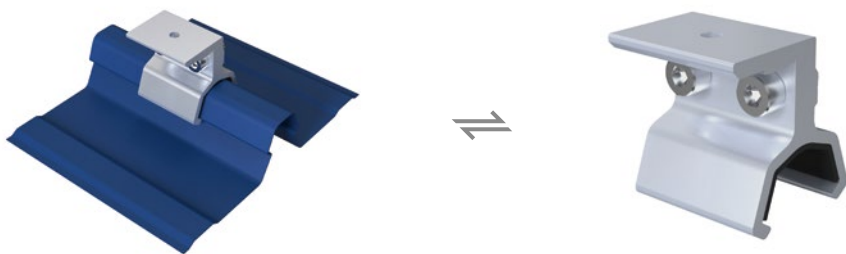
Item No. ERK-TRB-C38  
Description Lysaght Klip-lok 700 Interface



36

33

Item No. ERK-TRB-C26  
Description WeatherClip II 700 Interface



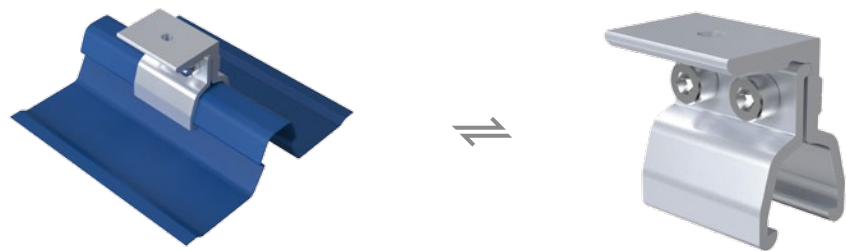
Item No. ERK-TRB-C13  
Description Lysaght Klip-lok Interface



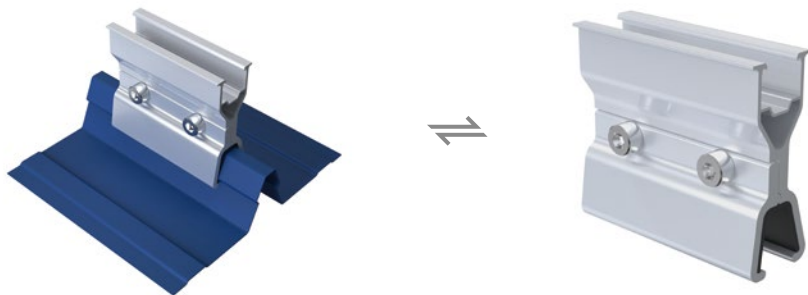
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34

Item No. ERK-TRB-C39  
Description Lysaght Klip-lok 700 Interface



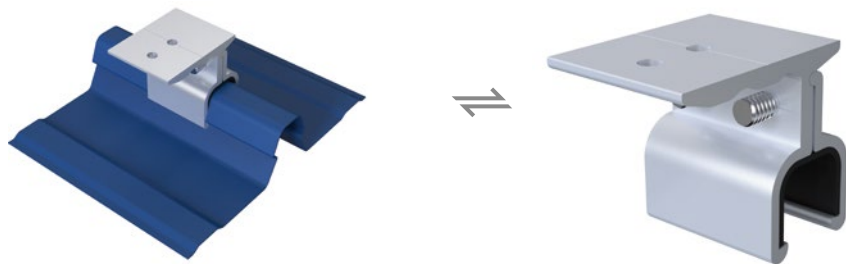
Item No. ERK-TRB-C29  
Description Lysaght Klip-lok 406 Interface



38

35

Item No. ERK-TRB-C27  
Description Klip Lok 700 Interface



Item No. ERK-TRB-C30  
Description WeatherClip II 700 Interface



39



# Metal Roof Attachment



40	Item No. Description	ERK-TRB-C31 Clip Lock Interface		⇌		Item No. Description	ERK-TRB-C35 Standing Seam Clamp		⇌		44
41	Item No. Description	ERK-TRB-C32 Valio Metal Sheet Roof Interface		⇌		Item No. Description	ERK-TRB-C36 Standing Seam Clamp		⇌		45
42	Item No. Description	ERK-TRB-C33 Standing Seam Clamp		⇌		Item No. Description	ERK-TRB-C28 Valio Metal Sheet Roof Interface		⇌		46
43	Item No. Description	ERK-TRB-C34 Standing Seam Clamp		⇌		Item No. Description	ERK-TRB-C10 Stainless Steel Tin Interface Bracket		⇌		47



# Tile Roof Attachment



Enerack has many types of tile roof hooks, suitable for most roof types of tile, flat tile, slate tile, asphalt shingle tile.

A design that includes major specifications saves you inventory cost, quick and easy to install. Innovative design of rail connect base-support can effectively increase the product strength, ensure the safety of the product use.

Enerack has a large variety of roof hooks provide customers options.

Customization allowed according to customers' need to meet special installation requirements.

Technical features:	
Product name	Tile roof mounting system
Application	Tile roof, Flat tile roof, Slate roof
Inclination	Parallel to the roof
Material	AL 6005-T5, SUS 304
Finish	AL 6005-T5 Anodized, SUS 304 Shot blasting
Module orientation	Landscape or Portrait

1  
Item No. Description  
ERK-TRH-T17  
Tile Roof Hook



2  
Item No. Description  
ERK-TRH-T18  
Tile Roof Hook



3  
Item No. Description  
ERK-TRH-T20(t=6mm)  
Tile Roof Hook



4  
Item No. Description  
ERK-TRH-T22  
Tile Roof Hook



5  
Item No. Description  
ERK-TRH-T02  
Tile Roof Hook



6  
Item No. Description  
ERK-TRH-T01  
Tile Roof Hook



7  
Item No. Description  
ERK-TRH-T04  
Tile Roof Hook  
for Holding 3 Cables



8  
Item No. Description  
ERK-TRH-T03  
Tile Roof Hook



9  
Item No. Description  
ERK-TRH-T06  
Tile Roof Hook



10  
Item No. Description  
ERK-TRH-T05  
Tile Roof Hook



11  
Item No. Description  
ERK-TRH-T08  
Tile Roof Hook



12  
Item No. Description  
ERK-TRH-T07  
Tile Roof Hook






# Tile Roof Attachment




13

Item No.	ERK-TRH-T09
Description	Tile Roof Hook




14

Item No.	ERK-TRH-T10
Description	Tile Roof Hook




Item No.	ERK-TRH-F01
Description	Flat Tile Roof Hook




21

Item No.	ERK-TRH-F02
Description	Flat Tile Roof Hook




15

Item No.	ERK-TRH-T11
Description	Tile Roof Hook




16

Item No.	ERK-TRH-T12
Description	Tile Roof Hook




Item No.	ERK-TRH-F03
Description	Flat Tile Roof Hook




23

Item No.	ERK-TRH-F04
Description	Flat Tile Roof Hook




17

Item No.	ERK-TRH-T13
Description	Tile Roof Hook




18

Item No.	ERK-TRH-T14
Description	Tile Roof Hook




Item No.	ERK-TRH-S01
Description	Slate Roof Hook




25

Item No.	ERK-TRH-S02
Description	Slate Roof Hook




19

Item No.	ERK-TRH-T15
Description	Tile Roof Hook




20

Item No.	ERK-TRH-T16
Description	Tile Roof Hook




Item No.	ERK-TRH-S03
Description	Slate Roof Hook



27

Item No.	ERK-TRH-S04
Description	Slate Roof Hook



22


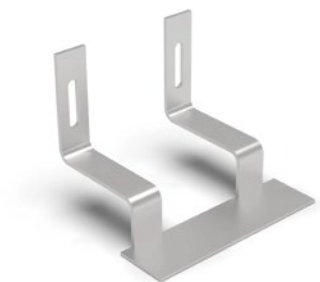



24

26

28

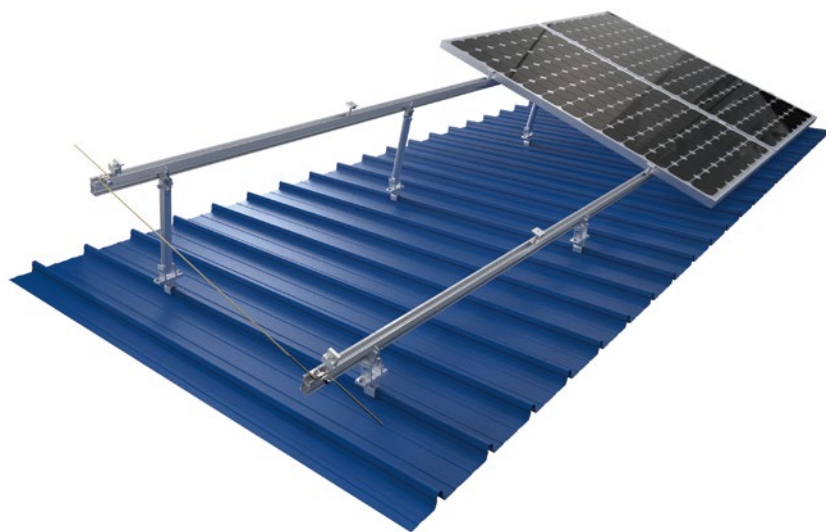


# Tile Roof Attachment

<div>29</div> <table><tr><td>Item No.</td><td>ERK-TRH-T24</td></tr><tr><td>Description</td><td>Tile Roof Hook</td></tr></table> 	Item No.	ERK-TRH-T24	Description	Tile Roof Hook	<div>30</div> <table><tr><td>Item No.</td><td>ERK-TRH-T21</td></tr><tr><td>Description</td><td>Tile Roof Hook</td></tr></table> 	Item No.	ERK-TRH-T21	Description	Tile Roof Hook
Item No.	ERK-TRH-T24								
Description	Tile Roof Hook								
Item No.	ERK-TRH-T21								
Description	Tile Roof Hook								
<div>31</div> <table><tr><td>Item No.</td><td>ERK-TRH-T19</td></tr><tr><td>Description</td><td>Tile Roof Hook</td></tr></table> 	Item No.	ERK-TRH-T19	Description	Tile Roof Hook	<div>32</div> <table><tr><td>Item No.</td><td>ERK-TRH-T26</td></tr><tr><td>Description</td><td>Tile Roof Hook</td></tr></table> 	Item No.	ERK-TRH-T26	Description	Tile Roof Hook
Item No.	ERK-TRH-T19								
Description	Tile Roof Hook								
Item No.	ERK-TRH-T26								
Description	Tile Roof Hook								
<div>33</div> <table><tr><td>Item No.</td><td>ERK-TRH-T25</td></tr><tr><td>Description</td><td>Tile Roof Hook</td></tr></table> 		Item No.	ERK-TRH-T25	Description	Tile Roof Hook				
Item No.	ERK-TRH-T25								
Description	Tile Roof Hook								



# Tilt Mounting



Enerack adjustable tilt system is used for metal roof concrete roof. Fixed or adjustable angles as 10-15 deg, 15-30 deg and 30-60 degree are for your option to maximize energy production. All Products pre-assembled before shipment, to make the installation easy and quick. Unique design of inner and outer tube with adjustable joints, makes structure stronger, different from the same type products on the market today, and widely compatible with standing seam clamp.

Technical features:	
Product name	Adjustable tilt mounting system
Application	Flat concrete roof, metal roof
Inclination	10-15°, 15-30°, 30-60° or customized
Material	AL 6005-T5, SUS 304, EPDM
Finish	AL 6005-T5 Anodized
Module orientation	Landscape or Portrait

## 1 Assembly

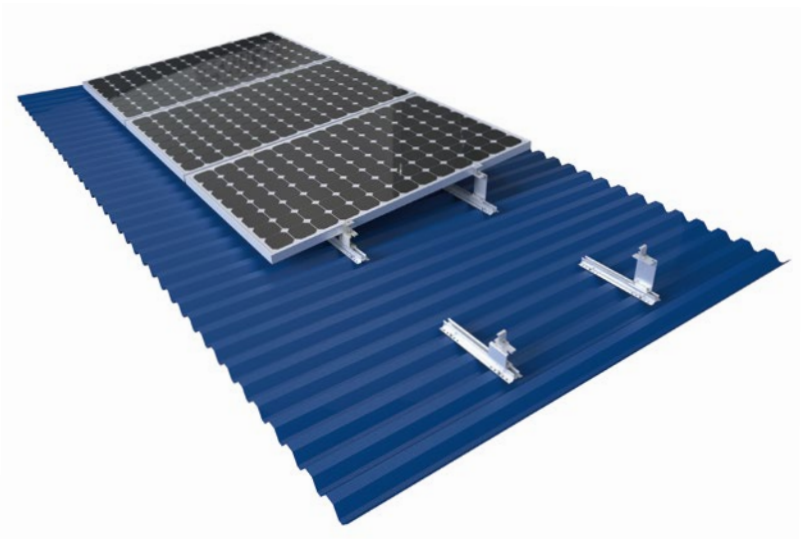
Item No. | ERK-AFL  
Description | Adjustable Front Leg



Item No. | ERK-FEC  
Description | General End Clamp Kit



Item No. | ERK-EIC  
Description | Universal Adjustable (30-40mm) Inner Clamp Kit (Include Spring & Earthing Clip)



Mini Rail with 5 degree support base, lift up the height of the solar panel to achieve cooling conditions, thus maximizing power generation. Simple design, easy to install, with good price.

Technical features:	
Product name	Mini Rail Support mounting system
Application	Metal roof
Inclination	5°,10°
Material	AL 6005-T5, SUS 304
Finish	AL 6005-T5 Anodized
Module orientation	Portrait

Item No.   ERK-MFS-5 Description   Mini Rail 5° Support Front Leg	Item No.   ERK-MRS-5 Description   Mini Rail 5° Support Rear Leg	Item No.   ERK-MFS-10 Description   Mini Rail 10° Support Front Leg
--	---	--



## 1 Assembly

Item No. | ERK-FEC-BS  
Description | General End Clamp Kit



Item No. | ERK-AIC-BS  
Description | Universal Adjustable (30-40mm) Inner Clamp Kit



Item No. | ERK-TRB-D10  
Description | 26mm Mini Rail for Corrugated or Trapezoidal Sheet Metal



Item No. | ERK-MRS-10  
Description | Mini Rail 10° Support Rear Leg





# Tilt Mounting



Enerack Tripod system is used for metal roof concrete roof, you can adjust angles as 10-15deg, 15-30deg and 30-60deg options to maximize energy production. All Products pre-assembled before shipment, to make the installation easy and quick for saving your labor cost and time. Customized angle allowed according to customers’ need to meet special installation requirements.

Technical features:	
Product name	Tripod mounting system
Application	Flat concrete roof, metal roof, open terrain
Inclination	Customized
Material	AL 6005-T5, SUS 304
Finish	AL 6005-T5 Anodized
Module orientation	Landscape or Portrait



## 1 Assembly

- Item No.

Description
- ERK-FTP
- The Fixing Angle Tripod
- 
- Item No.

Description
- ERK-ATP
- The Adjustable Angle Tripod
- 
- Item No.

Description
- ERK-R52
- Enerack 52mm Rail
- 
- Item No.

Description
- ERK-EIC
- Universal Adjustable (30-40mm) Inner Clamp Kit (Include Spring & Earthing Clip)
- 
- Item No.

Description
- ERK-FEC
- General End Clamp Kit
- 

Enerack Tripod systems have fixed angle and adjustable angle design for options.






1.Fixed Angle Tripod system(ERK-FTP-X): According to customers’ need ,we customize different sizes and angles to make a fast, easy and lower cost installation, this is Suitable for installation at known building angle.



2.Adjustable Angel Tripod (ERK-ATP-X): According to the site need to adjust the tripod angle for installation demand. It is suitable for multi-angle installation projects.



## 2 Assembly

- Beam
- 
- U Base
- 
- 32-32 AL Tube
- 

## 3 Assembly

- Beam
- 
- U Base
- 
- 32-32 AL Tube
- 
- 27-27 AL Tube
- 



# Ballasted-PRO Mounting



## 10 or 15 Degree dual tilt

- Maximal area utilized
- Maximal PV quantity installed
- Enerack E-W 10 or 15 is for solar installed on a flat roof, for maximized roof space utilized, and PV quantity installed.
- All parts are made of extruded aluminum, with stainless steel 304 fasteners
- EPDM foam tape is installed at the bottom of the system, separated the roof and system.
- EPDM foam tape provides better friction, and compensates for the height difference when the roof is uneven.

Technical features:	
Product name	E-W 10 or 15
Application	Flat roof
Tilt	10°or 15°
System Material	extruded aluminum profile 6005 T5
Fastener material	Stainelss steel 304
Finish	Anodized
Module orientation	Landscape



## 1 Assembly

ERK-AIC



ERK-FEC



ERK-BPF-10



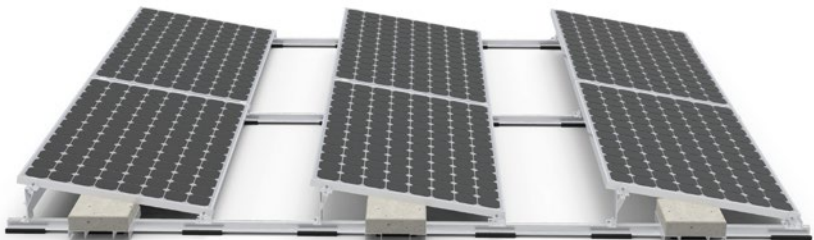
ERK-BPR-10



ERK-BPF15



ERK-BPR15

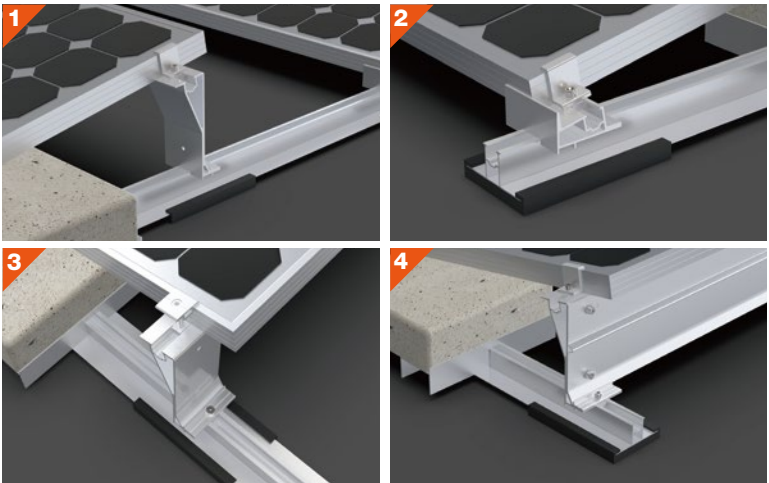


## 10 or 15 Degree tilt

- Better panel output
- The Enerack S Ballast is for solar PV to be fast and easily installed on a flat roof with 10 or 15 tilt degree inclination.All parts are made of extruded aluminum, with stainless steel 304 fasteners
- EPDM foam tape is installed at the bottom of the system, separated the roof and system.
- EPDM foam tape provides better friction and compensates for the height difference when the roof is uneven.

### Technical features:

Product name	S 10 or 15
Application	Flat roof
Tilt	10°or 15°
System Material	extruded aluminum profile 6005 T5
Fastener material	Stainelss steel 304
Finish	Anodized
Module orientation	Landscape

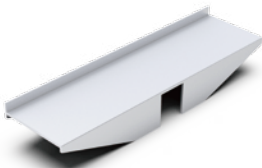


## 2 Assembly

ERK-R41-02



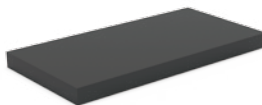
ERK-BST-02



ERK-SFR-04



ERK-EFT-03

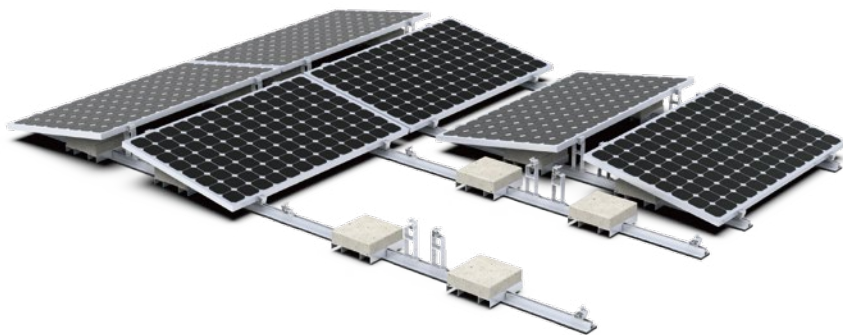




# Ballasted-ULT Mounting

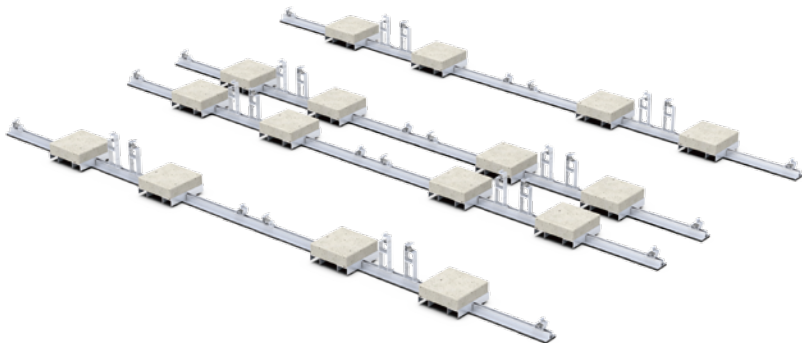


## 1 Assembly



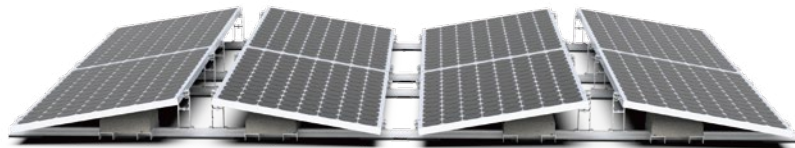
Enerack East & West Ballasted-Ult Systems suitable for concrete flat roof and trapezoidal sheet metal roof. Unlike the traditional solar panel fixing method, whose fixing point at the end of the long side of the panel, this series help solar panels to be fixed anywhere on the long side. Therefore, solar panels could withstand greater wind and snow pressure. There is no need to use expansion bolts or chemical bolts on the roof, no damage to roof. The system connects all the panels with the rails into a whole. East-west facing panels have a great effect on resisting wind loads. A combination of high quality aluminium components make a robust, reliable system and quick and easy installation.

Technical features:	
Product name	Ballasted-ULT Series
Application	Concrete flat roof and trapezoidal sheet metal roof
Tilt	10°or 15°
System Material	Extruded aluminum profile 6005 T5, EPDM
Fastener material	Stainless steel 304
Finish	Anodized
Module orientation	Landscape



- ERK-BUF-10
- ERK-BUR-10
- ERK-R41-02
- ERK-BST-02
- ERK-SFR-04
- ERK-EFT-03

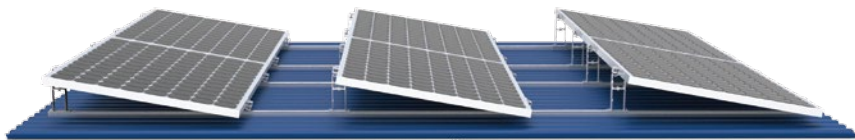
**Product Feature:**  
Solar panels could withstand greater wind and snow pressure.  
Maximal area utilized.  
Maximal PV quantity installed.  
Maximized roof space utilized, and PV quantity installed.  
Better panel output.  
Solar PV to be fast and easily installed on a flat roof with 10 tilt degree inclination.  
All parts are made of extruded aluminum, with stainless steel 304 fasteners.  
EPDM foam tape is installed at the bottom of the system, separated the roof and system.  
EPDM foam tape provides better friction and compensates for the height difference when the roof is uneven.



East & West 10° for concrete flat roof



South or North 10° for concrete flat roof



South or North 10° for trapezoidal sheet metal roof

## 2 Assembly


- ERK-BUF-15
- ERK-BUR-15





# Ground Mounting




## 1 Assembly

  
ERK-GEC-XX

  
ERK-GIC-XX


  
ERK-GEL


  
ERK-ELG


  
ERK-R80


  
ERK-SFR-R80


  
ERK-GRC

  
ERK-B95


  
ERK-GS2

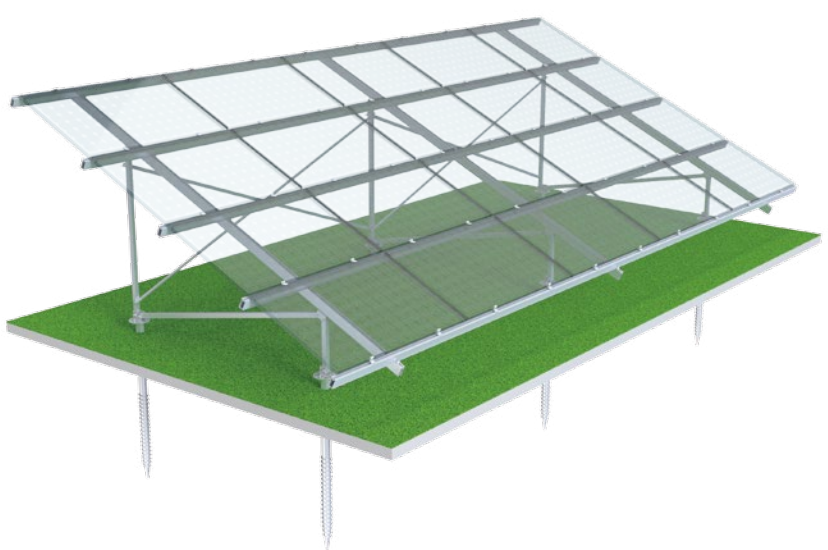
  
ERK-CH2-01

  
ERK-CH2-02

  
ERK-GB2-01

  
ERK-GB2-02

  
ERK-GF1-1600





### Standard Ground Mounting System


Aluminum ground mount, optimized for lightweight, quick and efficient installation with flexible on engineering upon site conditions. Optional on foundation by ground screw or concrete. Maximize pre-assembled before shipment


Technical features:	
Product name	Standard ground mounting system
Application	Flat concrete roof, open terrain
Inclination	Customized
Material	AL 6005-T5, SUS 304, Q235
Finish	AL 6005-T5 Anodized, Q235 Hot-dip galvanizing
Module orientation	Landscape or Portrait

## 2 Pre-Assembly

  
A

  
B

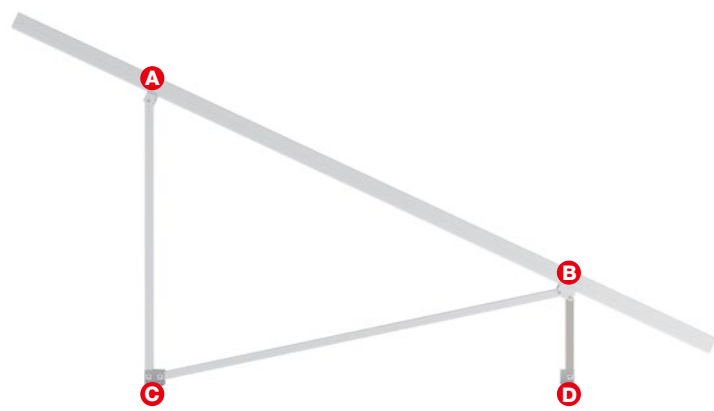
  
C

  
D

Depending on the different design conditions, pre-assembly support is generally designed into the following two shapes:

The N-Type pre-assembly support is mainly used for the small wind & snow load condition projects.(2-4 columns)

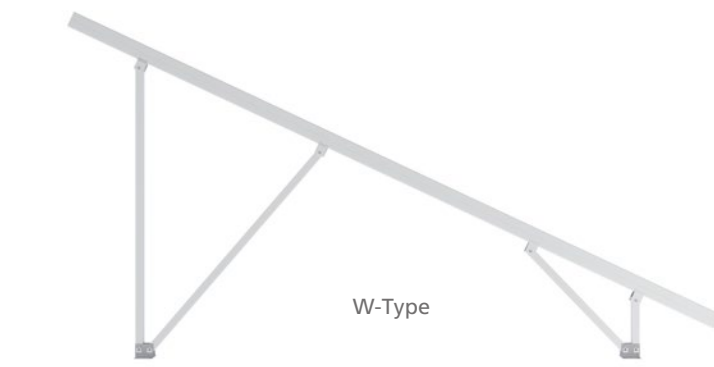
The W-Type pre-assembly support is mainly for the 4-5 columns wind & snow load condition projects. We will add cross support to make the structure stronger if the ground height is higher or wind & snow load is larger.



Ground mounting system has been maximized pre-assembly before shipment, which make the installation more convenient.



N-Type



W-Type

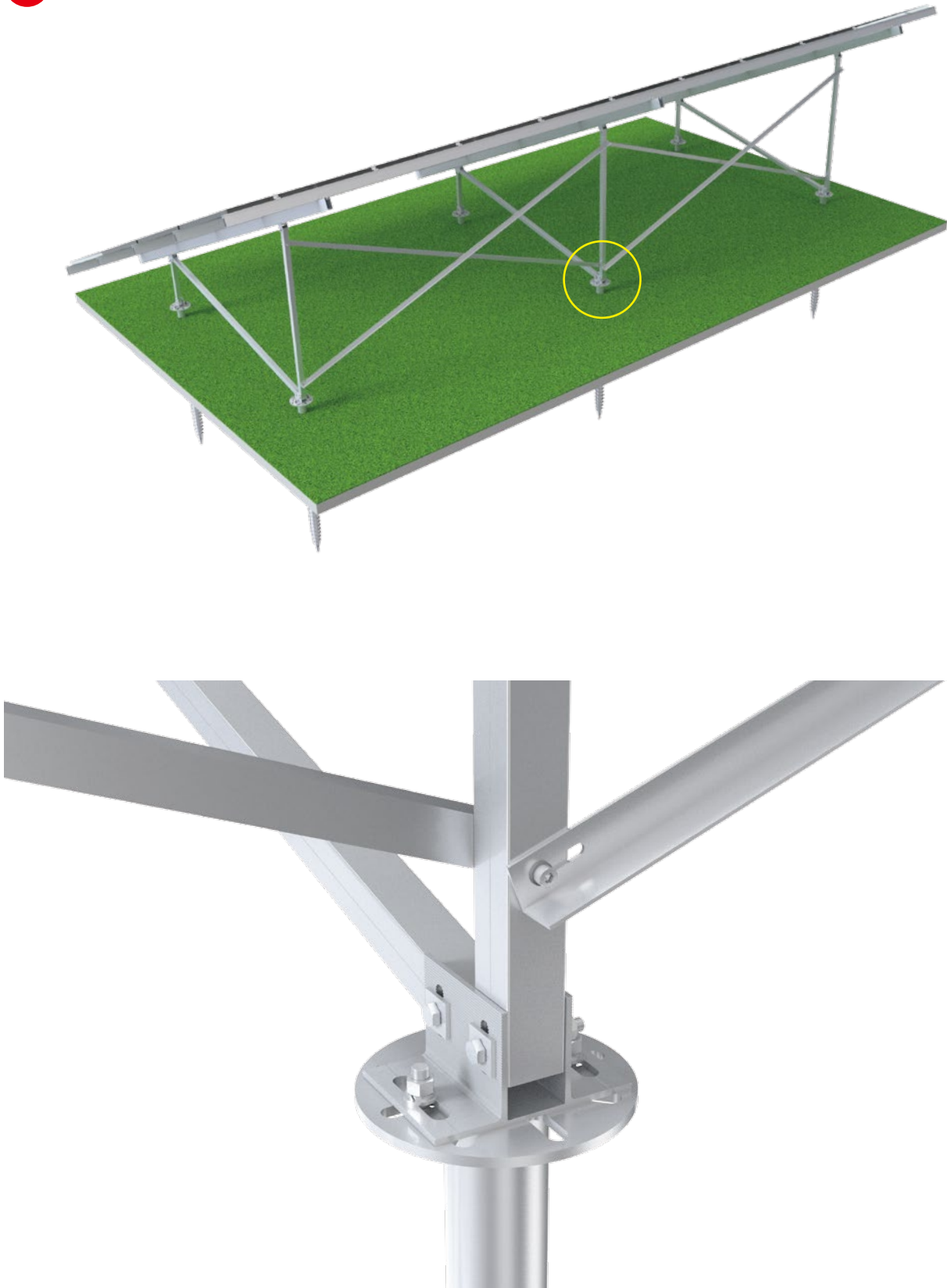


# Ground Mounting



3

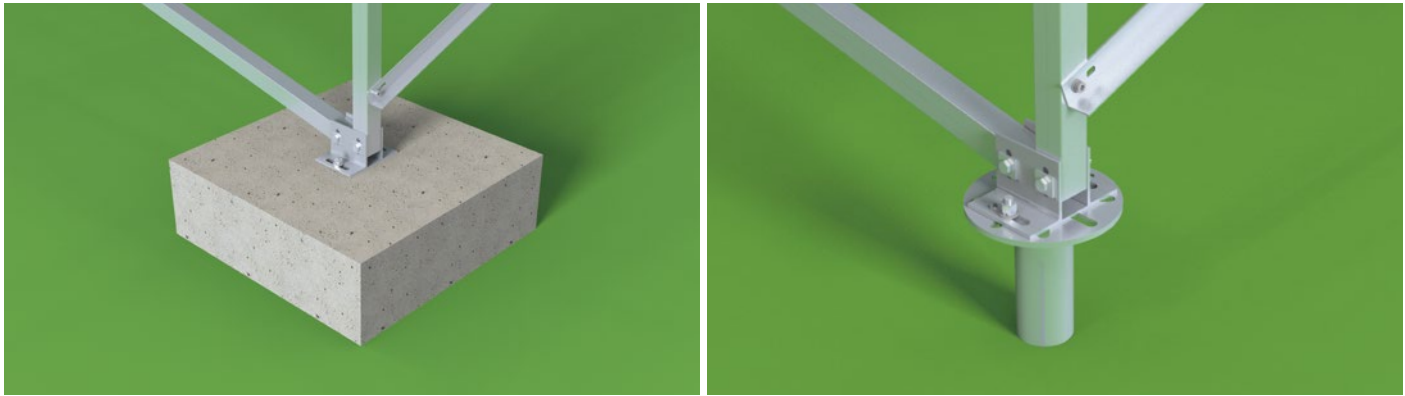
Cross



4

Foundation

Ground mounting system are commonly used for Concrete Foundation and Screw Foundation.



Concrete Foundation

Screw Foundation

Item			Concrete Foundation		Screw Foundation			
Applicable terrain			Flat,EvenTilt,Ladder					
Applicable geology (reference)			Random		SWS3≤N≤10 SWS Test, cohesive soil 3 ≤N≤10			
Difficulty Level			Complicated		Easy			
Cost			Higher		Lower			
Adjustment range			Not convenient to adjust the height of base		Larger			
Corrosion resistance			Anti-Corrosion		Hot-dip galvanizing on the surface of the screw foundation, which has met the anti-corrosion requirements of the service life			
Conventional pile compression and tensile strength reference values(KN)								
Ground Screw Length	N=3		N=5		N=7		N=10	
	Resistance	compression Resistance	Resistance	compression Resistance	Resistance	compression Resistance	Resistance	compression Resistance
1600	8.7	9.1	14.6	15.2	20.4	21.4	29.2	30.6
1800	9.9	10.2	16.5	17.1	23.1	24	33	34.4
2000	11	11.4	18.4	19	25.8	26.7	36.8	38.2
2200	12.2	12.5	20.3	21	28.4	29.4	40.6	42
2500	13.9	14.2	23.2	23.8	32.4	33.4	46.4	47.8

Remarks: The N value of the soil in this table are based on the Swedish penetration test (SWS).

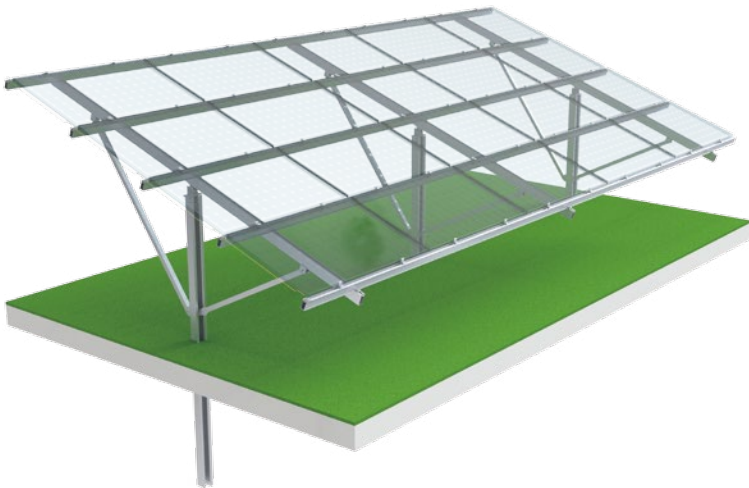


# Ground Mounting

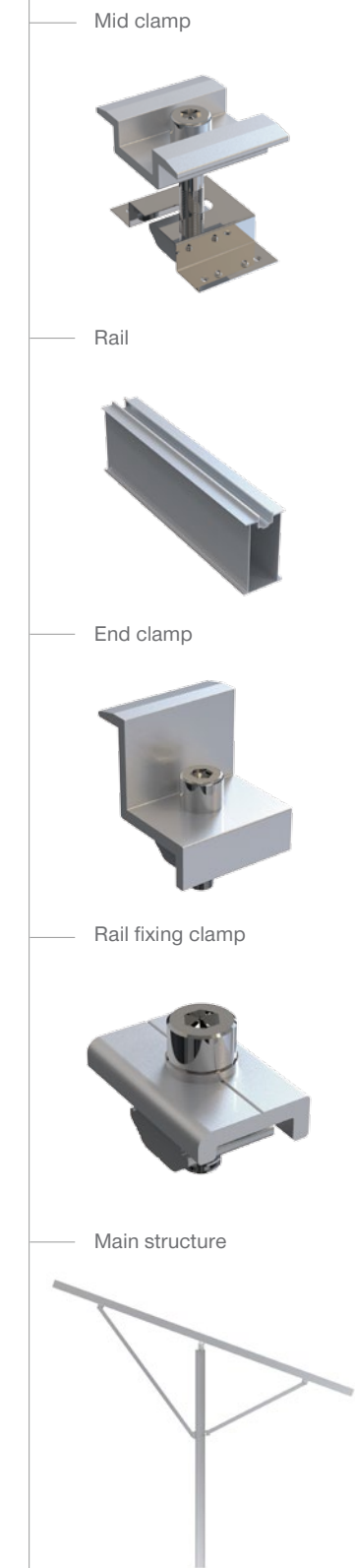


## U Pile Ground Mounting System

Enerack U Pile Ground Mounting Systems suitable for large scale power station installation, Pile to the ground makes installation faster and lower cost than others. Each components are Maximize pre-assembled, widely save your labor cost and installation time. Customization allowed according to project wind & snow load, provide economic & effective solutions.



### 1 Assembly



The U type Pile Ground Mounting System has been folded into a rectangular shape before shipment. Easy to transport.

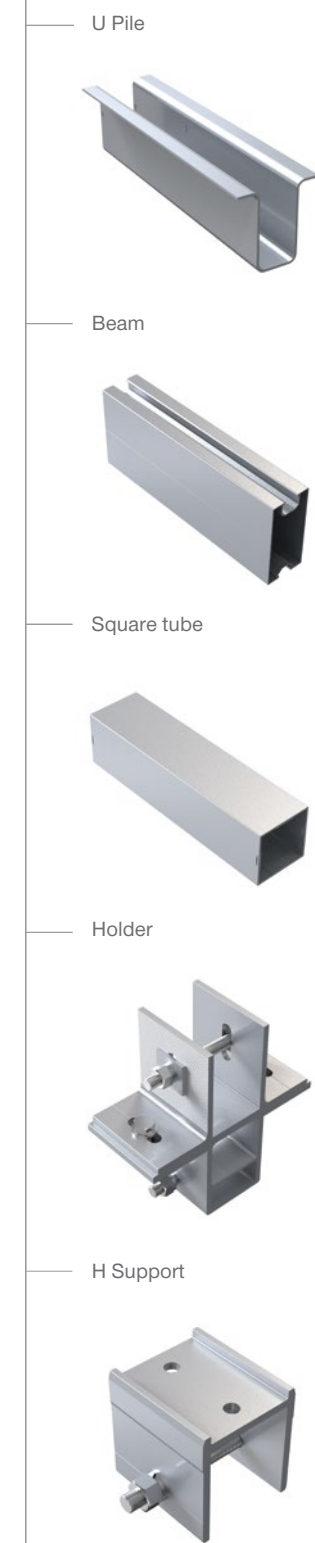
#### Technical features:

Product name	U Pile ground mounting system
Application	Open terrain
Inclination	Customized
Material	AL 6005-T5, SUS 304, Q235
Finish	AL 6005-T5 Anodized, Q235 Hot-dip galvanizing
Module orientation	Landscape or Portrait

Penetration depth	Conventional U pile compression and tensile strength reference values (KN)							
	N=3		N=5		N=7		N=10	
	Resistance	Compression Resistance	Resistance	Compression Resistance	Resistance	Compression Resistance	Resistance	Compression Resistance
1500	9.5	11.5	15.7	19.3	21.9	27	31.13	38.6
1600	10.1	12.3	16.7	20.6	23.3	28.8	3.235	41.2
1700	10.8	13.1	17.8	21.8	24.8	30.6	.337	43.7
1800	11.4	13.9	18.8	23.1	26.2	32.4	341.4	46.3
2000	12.6	15.4	20.8	25.7	29.1	36	45.65	51.5
2200	13.8	17	22.9	28.3	32	39.6	1.7	56.6
2500	15.7	19.3	26	32.1	36.3	45		64.3

Remarks: The N value of the soil in this table are based on the Swedish penetration test (SWS).

### 2 Main structure & components

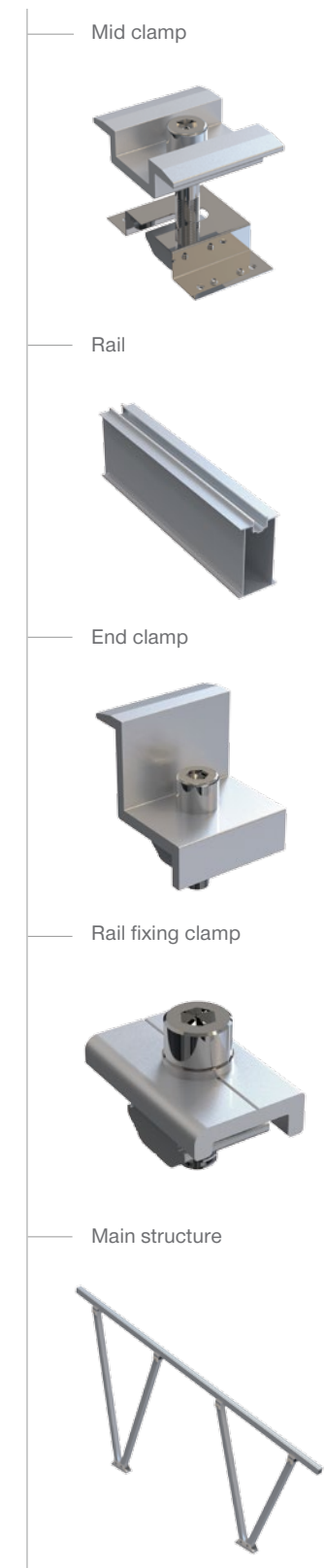




# Carport Mounting

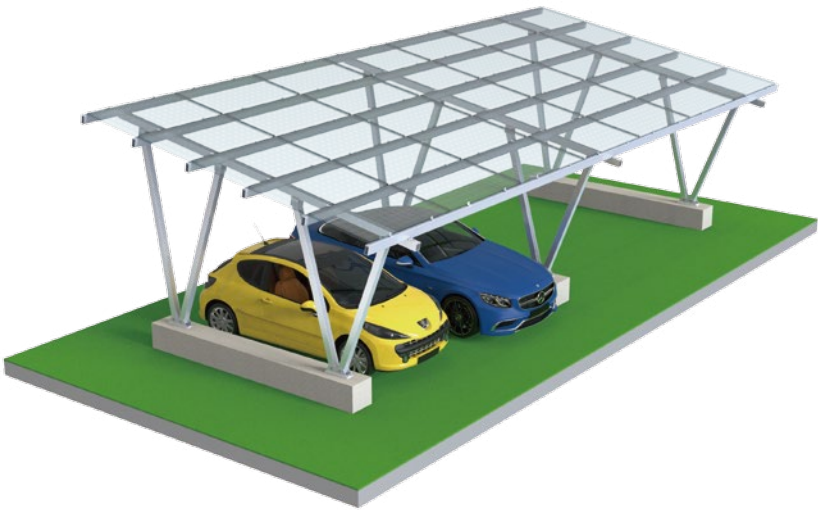


## 1 Structure & components

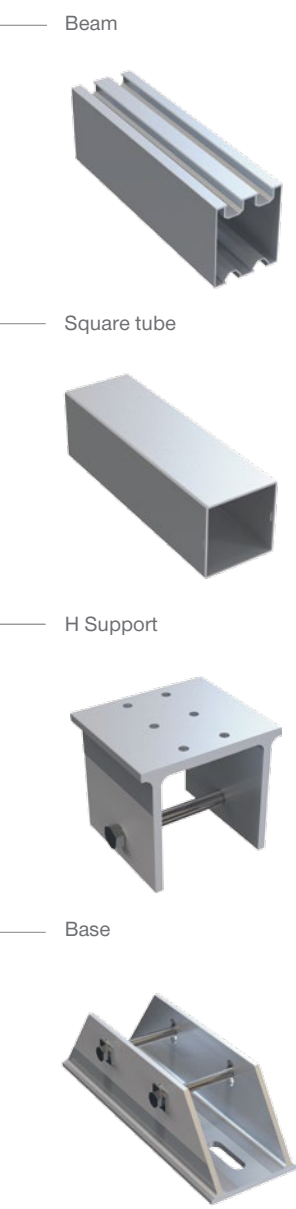


### Carport Mounting System

Enerack Carport Mounting Systems offers a simplified and economical solutions that provides a perfect combination of Shade parking and solar power generation as well as electric vehicle charging. It applied for family parking, commercial parking, awnings and even bus stops.



## 2 Main structure & components



highly pre-assembled main structure for solar modules landscape or portrait 5°/ 8°/10°inclination or custom customized and engineered to project maximal span up to 5.4m cover up to 2 parking spaces per span.

Technical features:	
Product name	Carport mounting system
Application	Solar parking structure
Inclination	5°, 8°, 10° or customized
Material	AL 6005-T5, SUS 304
Finish	AL 6005-T5 Anodized
Module orientation	Landscape



# Waterproof Carport System



Our carport systems are sold to Africa, the Middle East, Southeast Asia, Europe and the South America. The idle area of the parking shed is used to build a photovoltaic parking shed, and the combination of photovoltaic power generation and carport is the simplest one in the combination of photovoltaic and building. It can not only achieve all the functions of the traditional carport, but also bring electricity generation benefits to the owner. It is stored in the battery by the charging device or directly supplied to the electric vehicle to charge for self-use. You can even use extra power to get online. Using aluminum alloy structure bracket, simple installation, generous, fashionable, elegant.

Product Overview:	
Install Site	Flat outdoor
Material	AL6005-T5, SUS304
Standards	AS/NZ1170.2、JIS C 8955、MCS 012、TUV、UL2703 etc
Tilt Angle	5°, 30°

## 1 Assembly

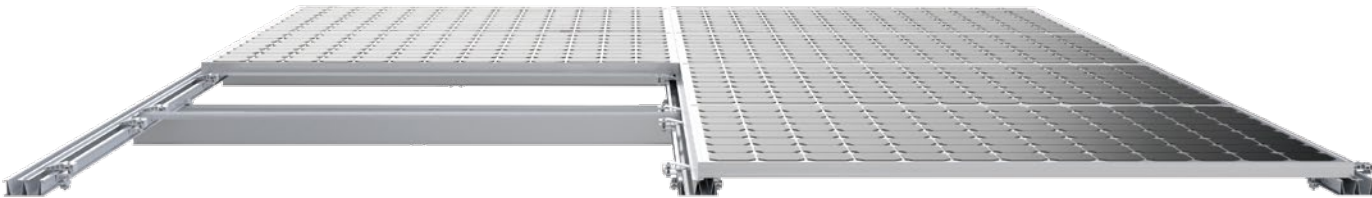
ERK-R125

ERK-CPS

ERK-B110

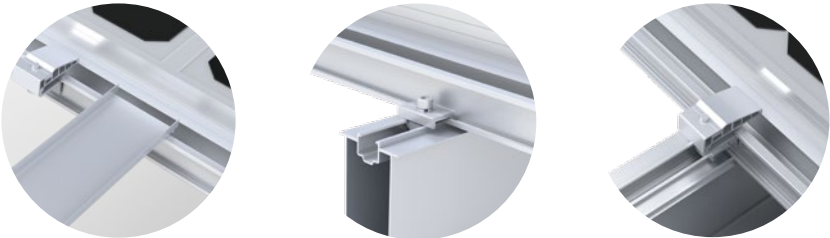
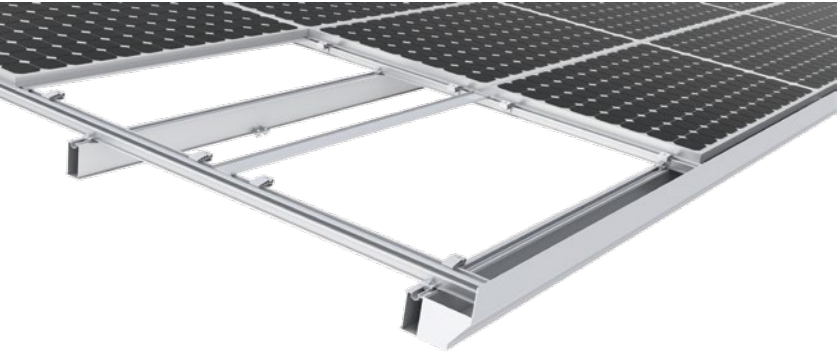
ERK-CPH-01

ERK-CPS-02



- Features:**
- 1. Good heat absorption.
  - 2. Good waterproof and rain protection, convenient installation, and flexibility.
  - 3. Make full use of the original site to provide green energy.
  - 4. Suitable for frame panel: Poly modules, double glass module etc.

**Installation place:** home, company, shopping mall, large parking lot.  
**Parking category:** battery car/bicycle, car, bus.  
**Number of parking Spaces:** 1 parking space, 2 parking Spaces, 3 parking Spaces, multiple parking Spaces (large span).  
**By row:** single row parking space, double row parking space.



## 2 Component List

ERK-HWT

ERK-RWT

ERK-GRC

ERK-PVC



Product Catalog Solar Mounting Solutions



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Xiamen Enerack Technology Co., Ltd.

Tel: +86 - 592-5669285

Mail: [info@enerack.com](mailto:info@enerack.com)

Fax: +86 - 592-5669235

web: [www.enerack.com](http://www.enerack.com)

Add: 203A, NO.6 Huli Avenue, Huli District, Xiamen, China