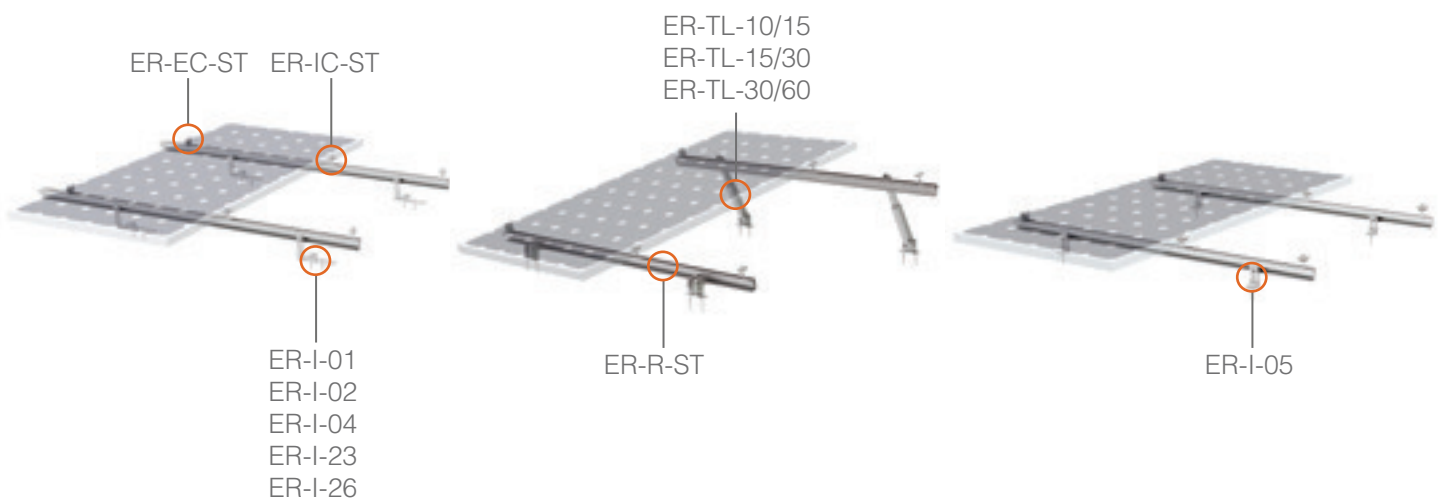# PV-ezRack SolarRoof

Reliable, robust roof mounting system with high quality components designed for the harshest conditions.

PV-ezRack SolarRoof has been developed for residential PV installations on tin and tile roofs. The components are easy to install and can be used for flush as well as tilted systems, on a large variety of roof types. The interfaces, rails and clamps use high quality, robust and corrosion resistant materials including structural grade aluminium alloy (AL6005-T5) and stainless steel (SUS304).

ER-EC-ST   ER-IC-ST

ER-TL-10/15
ER-TL-15/30
ER-TL-30/60

ER-I-01
ER-I-02
ER-I-04
ER-I-23
ER-I-26

ER-R-ST

ER-I-05

Main Benefits

Quick and easy installation
Innovative and internationally patented, the Z-Module technology is used in almost all SolarRoof components. The Z-Module provides a quick, easy and safe installation method. It can be inserted into the rail at any given point, and secured with just three hand grips.

Versatility
A large variety of roof hooks, tin roof fixings, tilt legs and adapters help ensure that you will find a suitable fixing method for almost every roof, where fixing with penetration is required.

Wide range of tilting
With three adjustable tilt legs, these parts can tilt panels from between 10-60 degrees. Through its innovative design, the tilt legs can cope with all common purlin distances.

Universal
SolarRoof has suitable inter and end clamps for every size of solar panel including frameless, thin film panels or special clamps for cyclonic regions. In the growing range of clamps, cable clips, adapters and accessories you are sure to find the parts you require for your residential rooftop mounting needs.

10 Year Warranty*

Commercial
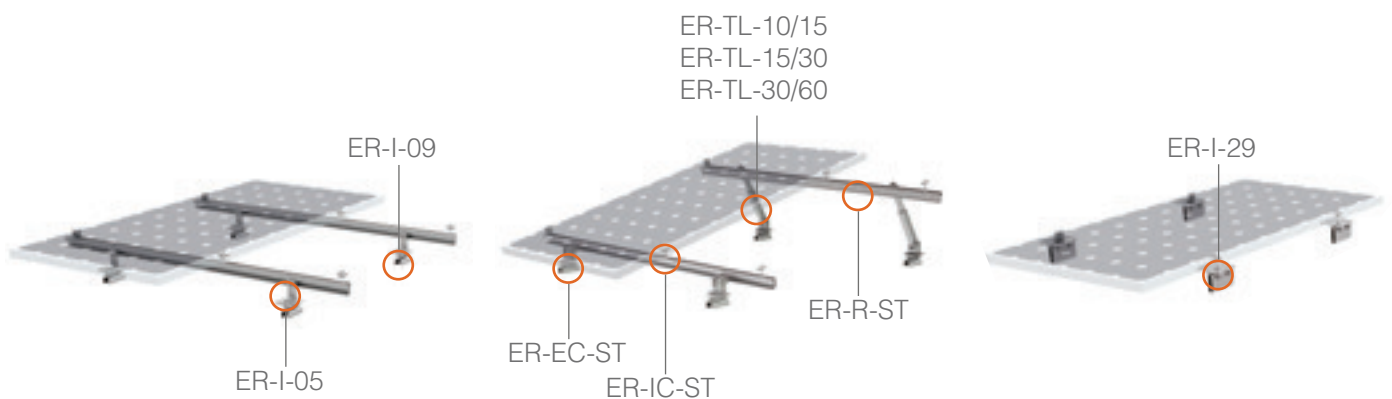
Residential

Available accessories
Grounding/earthing
Cable clips
Rail caps
Isolator Bracket

PV-ezRack SolarRoof
Non-penetrative

Reliable, robust roof mounting system with high quality components designed for concealed-fix roof claddings (Klip-lok, Longline).

To achieve and maintain improved watertightness of solar installations on Klip-lok type tin roofs, PV-ezRack SolarRoof has been expanded with a range of non-penetrative brackets. Rigorous testing on real size roofing sheets ensures safety, compliance and structural integrity of the PV-installations. As a result, the Klip-lok type brackets can be used for installing flush to the roof as well as for tiled systems.

ER-TL-10/15
ER-TL-15/30
ER-TL-30/60

ER-I-09

ER-I-29

ER-R-ST

ER-I-05

ER-EC-ST

ER-IC-ST

Main Benefits

No roof penetration
Watertightness is easily maintained with the SolarRoof clamps for concealed fix roofs, as there is no need for roof penetration. With Clenergy's thorough testing methods, this is made possible without any compromises on safety or structural integrity.

Versatility
The non-penetrative clamps can be used for flush installations as well as for tilting. The two fixing methods for flush mounting include direct mounting (no rails) and bracket plus L-feet (with rails). For tilted systems, the adjustable tilt legs or SolarTripod can be used directly on the compatible non-penetrative clamps.

Quick and easy installation
Innovative and internationally patented, the Z-Module technology is used in almost all SolarRoof components. The Z-Module provides a quick, easy and safe installation method. It can be inserted into the rail at any given point, and secured with just three hand grips.

Available accessories
Grounding/earthing
Cable clips
Rail caps
Isolator Bracket

10 Year Warranty*

Commercial

Residential

PV-ezRack SolarRoof

ER-I-01

Tile Interface

– Standard roof hook
– Z-Module
– Washer 8.4mm (21/64") DIN 9021 A2
– Lock washer 8mm (5/16") A2
– Hex Socket Head Bolt M8 x 25mm
  (5/16" x 63/64") 933 A2-70
– Hex Head Wood Screw 6 x 80mm
  (15/64" x 3-5/32"), thread: 80mm
  (3-5/32")

ER-I-02

Flat Tile Interface

– Flat Tile Roof Hook
– Z-Module
– Washer 8.4mm (21/64") DIN 9021 A2
– Lock Washer 8mm (5/16") A2
– Hex Socket Head Bolt M8x25mm
  (5/16" x 63/64") 933 A2-70
– Hex Head Wood Screw 6 x 80mm
  (15/64" x 3-5/32"), thread: 80mm
  (3-5/32")

ER-I-23

Tile Interface - Landscape

– Landscape Roof Hook
– Z-Module
– Washer 8.4mm (21/64") DIN 9021 A2
– Lock Washer 8mm (5/16") A2
– Hex Socket Head Bolt M8x25mm
  (5/16" x 63/64") 933 A2-70
– Hex Head Wood Screw 6 x 80mm
  (15/64" x 3-5/32"), thread: 80mm
  (3-5/32")

ER-I-04

Slate Interface

– Slate Roof Hook
– Z-Module
– Washer 8.4mm (21/64") DIN 9021 A2
– Lock Washer 8mm (5/16") A2
– Hex Socket Head Bolt M8 x 25mm
  (5/16" x 63/64") 933 A2-70
– Hex Head Wood Screw 6 x 80mm
  (15/64" x 3-5/32"), thread: 80mm
  (3-5/32")

ER-I-05

Tin Interface

– L-Feet
– Rubber Pad
– Z-Module
– Washer 8.4mm (21/64") DIN 9021 A2
– Lock Washer 8mm (5/16") A2
– Hex Socket Head Bolt M8 x 25mm
  (5/16" x 63/64") 933 A2-70
– Hex Head Wood Screw 6 x 80mm
  (15/64" x 3-5/32"), thread: 80mm
  (3-5/32")

ER-I-26

Tile Interface - Side Mount

– Side Mount Roof Hook
– Z-Module
– Washer 8.4mm (21/64") DIN 9021 A2
– Lock Washer 8mm (5/16")
– Hex Socket Head Bolt M8 x 25mm
  (5/16" x 63/64") 933 A2-70
– Hex Head Wood Screw 6 x 80mm
  (15/64" x 3-5/32"), thread: 80mm
  (3-5/32")

ER-I-09

Klip Lok Interface

– Main Hook
– Side Hook
– Hex Socket Head Bolt M8 x 25mm
  (5/16" x 63/64")
– Lock Washer 8.4mm (21/64")
– Washer 8.4mm (21/64")
– Rubber pad for Klip Lok interface
– Hex Socket Head Bolt M8 x 20mm
  (5/16" x 25/32") 933 A2-70
– Suitable for:
  • KLIP-LOK 700
  • KLIP-LOK 406
  • KingKlip
  • Speed Deck Ultra

ER-I-29/AU

Klip-lok Interface for LONGLINE 305

– Main Hook for Klip-lok Interface for
  longline 305
– Side Hook for Klip-lok Interface for
  longline 305
– Rubber Pad for Klip-lok Interface for
  longline 305
– Hexagon Socket bolt M8 x 30mm
  (5/16" x 1-3/16")
– Spring Washer
– Flat Washer
– Hex Socket Head Bolt M8 x 20mm
  (5/16" x 25/32") 933 A2-70

ER-I-10/15

Tilt Legs, adjustable 10/15 degree

– Outer Tube 220
– Fix Foot
– L Feet-A
– Lock Washer 8mm (5/16") A2
– Hex Socket Head Bolt M8 x 40mm
  (5/16" x 1-37/64")
– Hex Socket Head Bolt M8 x 55mm
  (5/16" x 2-11/64")
– Washer 8.4mm (21/64") DIN 9021 A2
– Hex Socket Head Bolt M8 x 25mm
  (5/16" x 63/64") 933 A2-70
– Hex Head Wood Screw 6 x 80mm
  (15/64" x 3-5/32"),
  80mm (3-5/32") thread
– Inner Tube 220
– U-Bracket
– Z-Module
– Rubber Pads

PV-ezRack SolarRoof

ER-TL-15/30

Tilt Legs, adjustable 15/30 degree

– Outer Tube 350
– Fix Foot
– L Feet-A
– Lock Washer 8mm (5/16") A2
– Hex Socket Head Bolt M8 x 40mm
  (5/16" x 1-37/64")
– Hex Socket Head Bolt M8 x 55mm
  (5/16" x 2-11/64")
– Washer 8.4mm (21/64") DIN 9021 A2
– Hex Socket Head Bolt M8 x 25mm
  (5/16" x 63/64")
– Hex Head Wood Screw 6 x 80mm
  (15/64" x 3-5/32"), thread: 80mm
  (3-5/32")
– Inner Tube 350
– U-Bracket
– Z-Module
– Rubber Pads

ER-TL-30/60

Tilt Legs, adjustable 30/60 degree

– Outer Tube 635
– Fix Foot
– L Feet-A
– Lock Washer 8mm (5/16") A2
– Hex Socket Head Bolt M8 x 40mm
  (5/16" x 1-37/64")
– Hex Socket Head Bolt M8 x 55mm
  (5/16" x 2-11/64")
– Washer 8.4mm (21/64") DIN 9021 A2
– Hex Socket Head Bolt M8 x 25mm
  (5/16" x 63/64")
– Hex Head Wood Screw 6 x 80mm
  (15/64" x 3-5/32"), thread: 80mm
  (3-5/32")
– Inner Tube 635
– U-Bracket
– Z-Module
– Rubber Pads

ER-R-ST

Standard Rail

– With a standard lengths of
  2560mm (8' 4-25/32"),
  3150mm (10' 4-1/64")
  3405mm (11' 2-1/16")
  4200mm (13' 9-23/64")

ER-EC-V/HP90

Module End Clamp HP Series, for Volther 90mm hybrid panel

– HP End Clamp 90
– Z Moudle
– Hexagon socket head cap sorew
– M8 x 65mm (5/16" x 2-23/63")
– Washer 8mm (5/16")

ER-SP-ST

Splice for Standard Rail

– Splice with a standard length of
  200mm (7/8")
– Hex Socket Head Bolt
  M8 x 18mm (5/16" x 45/64")

ER-IC-ST

Inter Clamp, Standard

– Inter Module Clamp 28mm (1-7/64"),
  35mm (1-3/8"), 40mm (1-37/64"),
  46mm (1-13/16"), 50mm (1-31/32"),
  57mm (2-1/4")
– 28mm (1-7/64") with Hex Socket Head
  Bolt A2-70 M8x40mm (5/16" x 1-37/64")
– 35mm (1-3/8") with Hex Socket Head
  Bolt A2-70 M8x45mm (5/16" x 1-49/64")
– 40mm (1-37/64") with Hex Socket Head
  Bolt A2-70 M8x50mm (5/16" x 1-31/32")
– 46mm (1-13/16") with Hex Socket Head
  Bolt A2-70 M8x55mm (5/16" x 2-11/64")
– 50mm (1-31/32") with Hex Socket Head
  Bolt A2-70 M8x60mm (5/16" x 2-23/64")
– 57mm (2-1/4") with Hex Socket Head
  Bolt A2-70 M8x70mm (5/16" x 2-3/4")
– Z-Module
– Lock Washer 8.4mm (21/64")

ER-EC-ST

End Clamp, Standard

– End Module Clamp
  28mm (1-7/64")
  30mm (1-3/16")
  32mm (1-17/64")
  35mm (1-3/8")
  38mm (1-1/2")
  40mm (1-37/64")
  42mm (1-21/32")
  46mm (1-13/16")
  48mm (1-57/64")
  50mm (1-31/32")
  57mm (2-1/4")
– Z-Module
– Hex Socket Head Bolt A2-70 M8 x
  28mm (5/16"x 1-1/10")
– Lock Washer 8.4mm (21/64")