

PV-ezRack®

By Clenergy 

Ascent

Low ballast tilt mounting system for PV installation on flat roofs



Ascent

Low ballast tilt mounting system for PV installation on flat roofs

The PV-ezRack Ascent is a low ballast, south/north facing solution without rails for PV installation on flat roofs. With the special design and a tilt angle of 10° and 15°, PV-ezRack Ascent will be suitable for PV module up to 2180x1100mm, height from 30mm to 46mm.

Main Benefits

Ballast Optimized

Ballast reduction through aerodynamic optimized construction. Also tested in boundary layer wind tunnel by the independent wind tunnel test agency, to achieve optimum ventilation for maximum energy output.

Efficiency

With the click connections between Legs and Bases, no tools are used during the Legs and Bases assembly. The storage space is greatly reduced due to the innovative Rear Leg Extension, thereby saving the cost of warehouse management.

Compatibility

Available with a module length up to 2180mm, widths up to 1100mm, PV-ezRack Ascent offers flexible solutions and suitable for all framed PV panels with height from 30 to 46mm. Power optimizer, micro inverter can be easily accommodated.

Technical Details

Application	Flat roof
Setting Angle	10°/15°
Module Orientation	South/North: Landscape
Module Size	Width: 990-1100 mm Length: 1640-2180 mm Height: 30-46 mm
Snow Load	Customized
Wind Load	Customized
Material	Main Components: AL6005-T5 Wind Deflector: AL5052-H32 Fasteners: SUS 304
Certification	TUV
Standard	Eurocode 0-9 AS NZS1170.2-2011 JISC8955 ASCE 7-10
Warranty	12 years



FL-AC/10 FL-AC/15
Front Leg 10°/15°

Click in installation, manufactured from aluminum offer excellent corrosion resistance.



RL-AC/10
Rear Leg 10°



RLE-AC
Rear Leg Extension

Rear Leg Extension can be easily attached with Rear Leg 10° with a single screw, to achieve 15°.

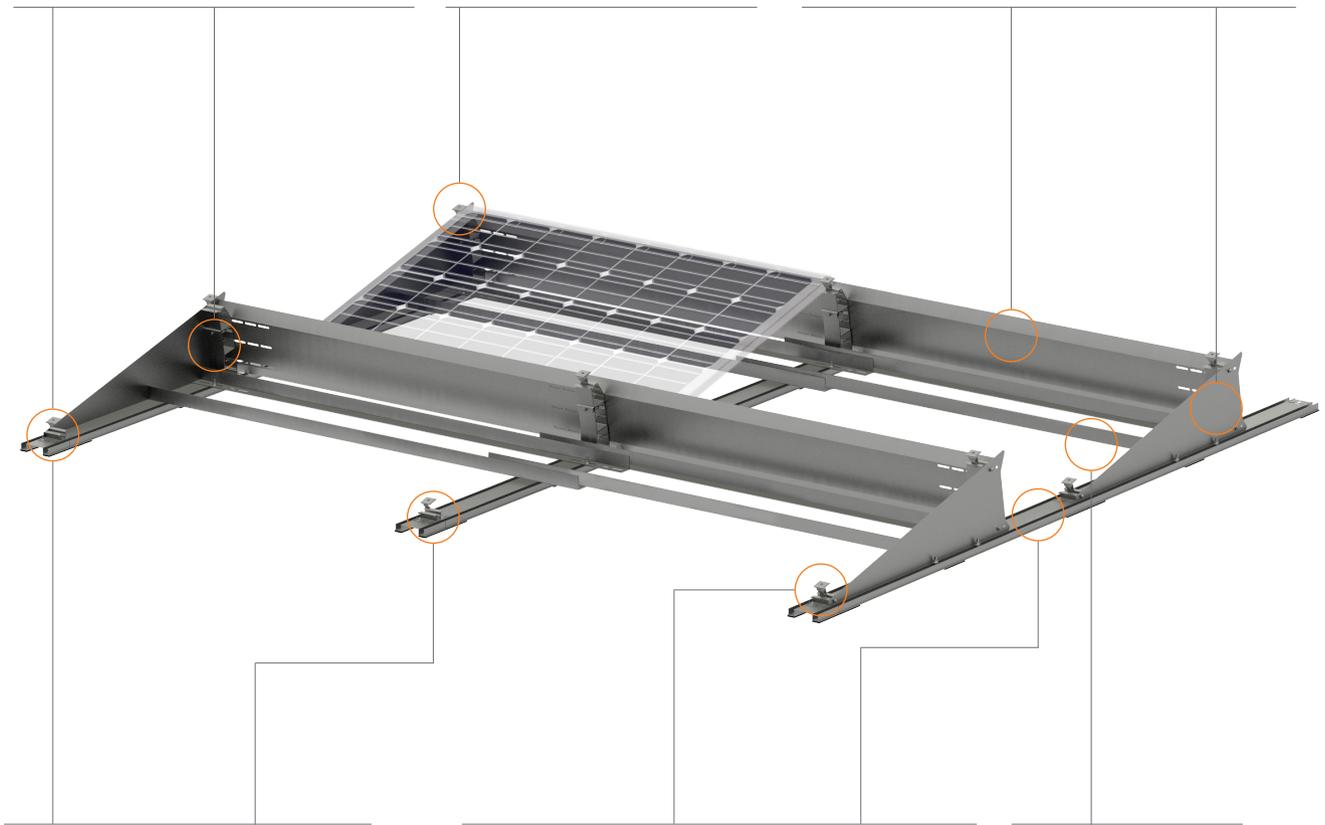


WD-AC
Wind Deflector



SWD-AC
Side Wind Deflector

The wind deflector is fixed to the legs, normally installed on the end or side of array for deflecting wind and guaranteeing system stability.



EC-M
End Clamp



IC-M
Inter Clamp

The PV-ezRack Inter and End clamps offer a simple, easy to use and robust fixing of the PV panels.



SEB-AC/120
Start and End Base L120



MB-AC/SN
Main Base, South-north

With pre-fitted rubber pad. The Base is not attached to the roof surface to allow for water drainage.



ER-AA-50/XXXX/50
Angle AL

With a simple and robust design, this component efficiently fixes the ballast to the mounting structure.

PV-ezRack®

By Cleenergy 

Ascent Wings

Low ballast tilt mounting system for PV installation on flat roofs



Ascent Wings

Low ballast tilt mounting system for PV installation on flat roofs

The Clenergy PV-ezRack Ascent Wings is a low ballast and rail-less system which provides optimal surface utilization and yield for structurally challenging roof with limited ballast options. The PV modules will be installed in landscape and can maximize energy production with multiple geometry options. Also with the special design and a tilt angle of 10° and 15°, our new PV-ezRack Ascent Wings will be suitable for PV module up to 2180x1100mm, height from 30mm to 46mm.

Main Benefits

Ballast Optimized

Ballast reduction through aerodynamic optimized construction. Also tested in boundary layer wind tunnel by the independent wind tunnel test agency, to achieve optimum ventilation for maximum energy output.

Efficiency

With the click connections between Legs and Bases, no tools are used during the Legs and Bases assembly. The storage space is greatly reduced due to the innovative Rear Leg Extension, thereby saving the cost of warehouse management.

Compatibility

Available with a module length up to 2180mm, widths up to 1100mm, PV-ezRack Ascent Wings offers flexible solutions and suitable for all framed PV panels with height from 30 to 46mm. Power optimizer, micro inverter can be easily accommodated.

Technical Details

Application	Flat roof
Setting Angle	10°/15°
Module Orientation	East/West: Landscape
Module Size	Width: 990-1100 mm Length: 1640-2180 mm Height: 30-46 mm
Snow Load	Customized
Wind Load	Customized
Material	Main Components: AL6005-T5 Wind Deflector: AL5052-H32 Fasteners: SUS 304
Certification	TUV
Standard	Eurocode 0-9 AS NZS1170.2-2011 JISC8955 ASCE 7-10
Warranty	12 years



FL-AC/10 FL-AC/15
Front Leg 10°/15°

Click in installation, manufactured from aluminum offer excellent corrosion resistance.



RL-AC/10
Rear Leg 10°



RLE-AC
Rear Leg Extension

Rear Leg Extension can be easily attached with Rear Leg 10° with a single screw, to achieve 15°.



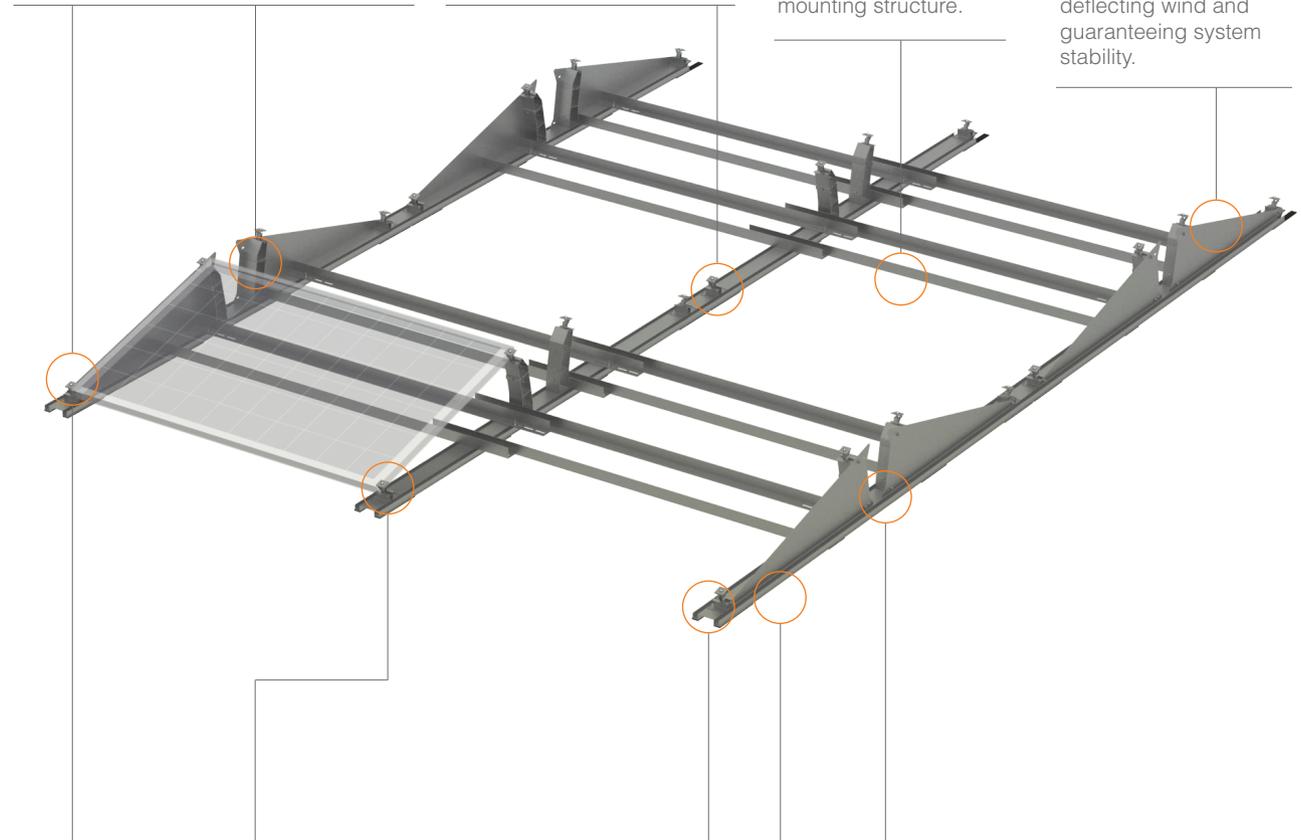
ER-AA-50/XXXX/50
Angle AL

With a simple and robust design, this component efficiently fixes the ballast to the mounting structure.



SWD-AC
Side Wind Deflector

The wind deflector is fixed to the legs, normally installed on the side of array for deflecting wind and guaranteeing system stability.



EC-M
End Clamp



IC-M
Inter Clamp



SEB-AC/120
Start and End Base L120



MB-AC/EW
Main Base, East- west



CB-AC/EW
Connection Base, East- west

The PV-ezRack Inter and End clamps offer a simple, easy to use and robust fixing of the PV panels.

With pre-fitted rubber pad. The Base is not attached to the roof surface to allow for water drainage.



Innovating renewable energy

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