PV-ezRACK®

Ascent 1.1

PLUG&PLAY ENERGY

Ascent 1.1

The PVezRack® Ascent 1.1 is a low ballast, south/north, east-west facing solution without rails for PV installation on flat roofs. With the special design and a tilt angle of 10° and 15°. Ascent 1.1 is suitable for most common flat roof installations.

Main Benefits

Wind Tunnel tested
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.

Pre-assemble
Pre-assembled inter and end clamp with legs reduce SKU, and also save warehouse and pick up cost.

Click-in technology
Easy installation and Tool-free assembly of the base rail due to click-in innovative patented design.

Roof friendly
With building protection rubber pad and optimal support surface , Ascent 1.1 achieves exceptional adaptability on flat foil, bitumen and concrete roofs.

Technical Details

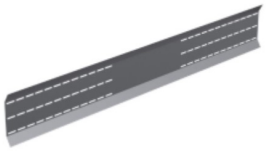
Application	Flat roof up to 5°
Setting Angle	10°/15°
Module Orientation	North/South, East-West; Landscape
Roof covering	concrete roof, membrane roof, bitumen roof
Module Size	Length: 1700-2400 mm Width: 990 -1150mm; Height: 28-40 mm
Snow Load	Customised
Wind Load	Customised
Material	Main Components: AL6005-T5 Wind Deflector/Ballast bar: MAC Steel Fasteners: SUS 304 Plate: Polypropylene (PP) and EPDM
Certification	TUV | CE | Wind Tunnel Test (I.F.I. Institute)
Standard	Eurocode 0-9 | BRE489 | AS NZS1170.2 | JISC8955 | ASCE 7-10
Warranty	12 years

FL-ACV11/G/10 & FL-ACV11/G/15
FL-ACV11/G/10/MI & FL-ACV11/G/15/MI
Front Leg 10°/15°

RL-ACV11/G/10 &
RL-ACV11/G/10/MI
Rear Leg 10°

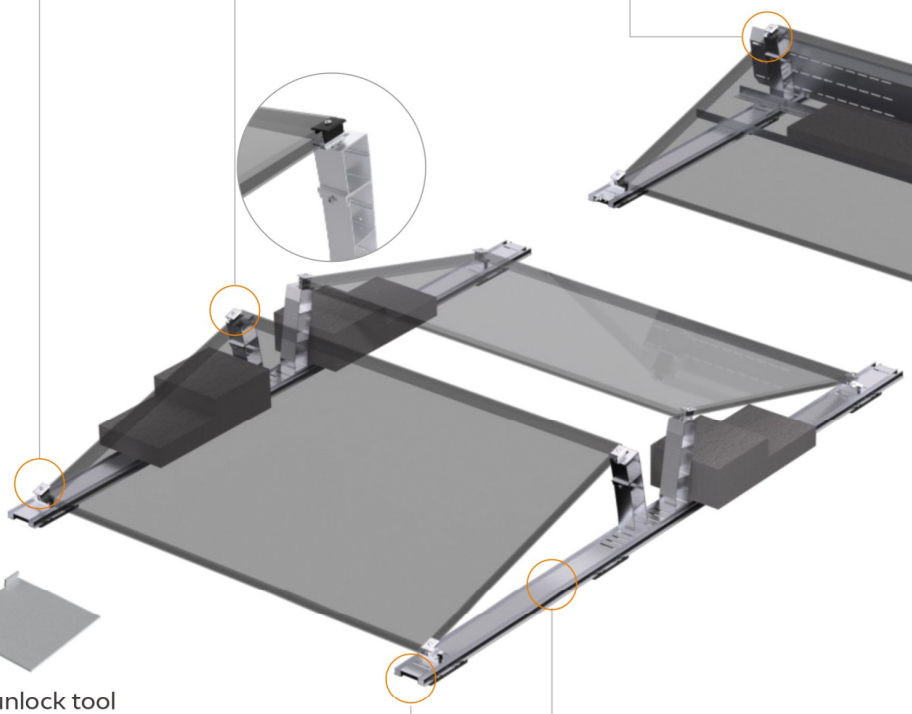
RL-ACV11/G/15 &
RL-ACV11/G/15/MI
Rear Leg 15°

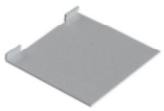
Made of aluminium, preassembled with end clamp and inter clamp, Front Leg and Rear Leg are click-in assembly to the base rail that offer excellent corrosion resistance.



WD-ACV11/XX/XXXXM
Wind Deflector, 10° and 15°

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





Leg unlock tool

Packed with Front Leg, to remove front and rear legs if the installation is incorrect.

BB-ACV11/XXXXM
Ballast Bar

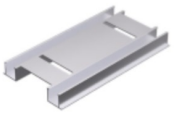
With a simple and robust design, this component efficiently fixes the ballast to the mounting structure.

EZ-PM-AC
Protection Mat

SEB-ACV11/120
Start and End Base L120

MB-ACV11/EW/XXXX
Main Base, East-west

The Polypropylene & EPDM mat offer a clearance between the roof surface and the base for water drainage. Also achieves exceptional adaptability on flat foil, bitumen and concrete roofs.



CB-ACV11/EW/250
Connection Base,
East-west

MB-ACV11/SN/XXXX
Main Base,
North/south

PLUG& PLAY ENERGY