

Instructions manual - PowAR Cinch™

Fastening & Grounding clip for Framed Modules on trackers or ground mount

Ref: 240865 & 243648

General conditions of use

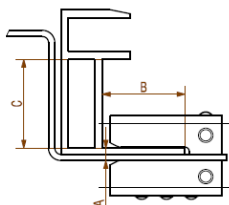
- This notice takes care of the installation and dismantling of Photovoltaic modules on tracker or ground mount structures, with PowAR Cinch™ clips.

- PowAR Cinch™ is for single use.

- PV module frame and rail specifications : see Tab1 and Fig1.

Two references of PowAR Cinch™ have been designed to cover the all ranges of thicknesses A :

	PowAR Cinch™ narrow	PowAR Cinch™ wide	PowAR Cinch™ narrow	PowAR Cinch™ wide
A	[2.3 to 3mm]] 3 to 3.8mm]] 0.090 to 0.118 inches]] 0.118 to 0.149 inches]
B	16mm Min		0.629 Inches Min	
C	8mm Min		0.314 Inches Min	



Tab1 & Fig1 : PV frame module & rail specifications

Material



PowAR Cinch™ narrow
Ref 240865



PowAR Cinch™ wide
Ref 243648

Assembly



2 people

Protective equipment recommended : safety gloves

Recommended tools

none

More info

Contact us on www.araymond-energies.com

Installation

1 Mounting the PV module onto the rails

1-a Position the PV module on the two parallel rails up to its final position.

1-b Maintain the module while inserting four PowAR Cinch™ in the slots of the rails. (Fig. 1)

1-c Position the PowAR Cinch™ in front of the slot and make sure that the claws are on the upper side to be in contact with the module aluminum frame. (Fig 2)

1-d Insert the PowAR Cinch™ until it is fully engaged. (Fig 3)



Fig 1



Fig 2

2 Checking of the proper fastening

2-a Make sure that the four PowAR Cinch™ are fully engaged (Fig. 4)



Fig 3

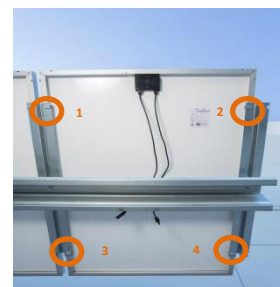


Fig 4

Grounding details

- Bonding path from the module frame to its supporting structure is ensured by the part itself as it maintains a stable electrical contact between the aluminum module frame and the steel rail at several contact points (see Fig. 5).

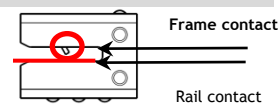


Fig. 5

Dismounting

Insert a flat-blade screwdriver without sheathed insulation (e.g. 4x100) under the tab in order to move up the two claws (Fig. 6)

Pull back the PowAR Cinch™ until it is disengaged



Fig 6

Please note that PowAR Cinch™ is for single use.

In case of solar panel change, always use new PowAR Cinch™.