

FASTENING & GROUNDING CLIP

FOR FRAMED MODULES ON TRACKERS OR GROUND MOUNT



Screwless and tool-free clipped fastening solutions provide fast and simple assembly. It allows customers to reduce the overall cost of renewable energies.

PowAR Cinch

COMBINED PV MODULE FASTENING & GROUNDING CLIP













APPLICATIONS

BENEFITS

))) PERFORMING

Tested by accredited laboratories and qualified by major module manufacturers⁽¹⁾. Anti-theft designed.







))) QUICK

Fastening and grounding in a single operation. 1 module installed in less than 30 seconds⁽²⁾.

))) EASY TO USE

Tool-free set up.

Friendly: clips can be inserted from underneath the array, no need to step on the module. Maintenance free as no torque correction required.

Minimal training required.

Very flexible: no worry about module frame's hole and structure hole mismatch.

))) COST SAVING

Lower overall costs of the PV installation.

Lower maintenance costs: Screw-less, no periodic torque control required. Hot spot risk reduction for PV modules thanks to elastic mechanical clamping⁽³⁾.

⁽¹⁾ Report available on demand

⁽²⁾ According to field tests results available on demand.

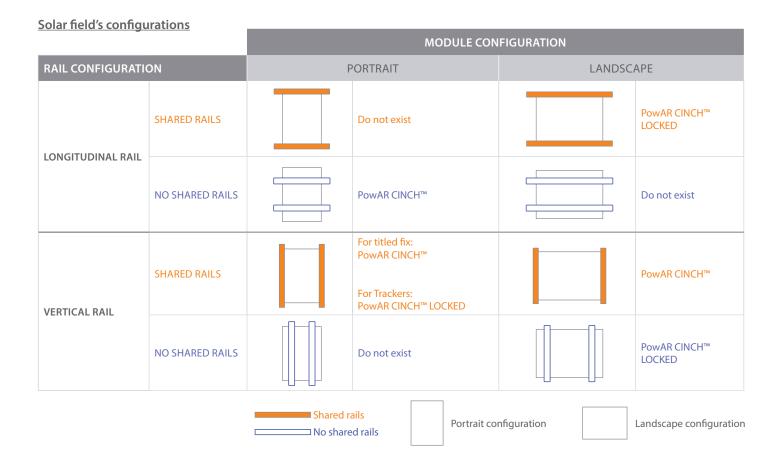
⁽³⁾ Mechanical shocks and daily thermal cycles often induce micro-craks whithin cells, leading to hot spots and power output degradation

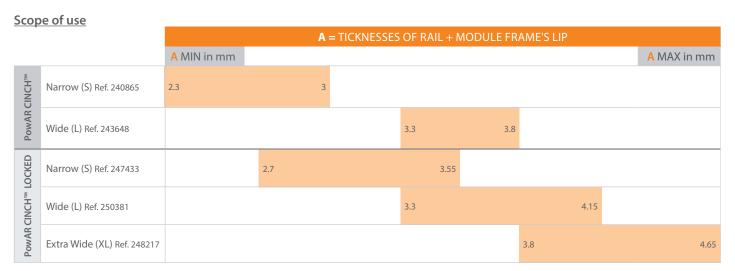


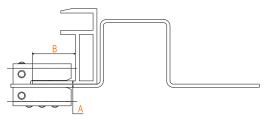
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HOW TO SELECT THE POWAR CINCH™ REFERENCE

PowAR CINCH™'s choice depends on solar field's configurations and on total thicknesses of rail + module frame's lip.





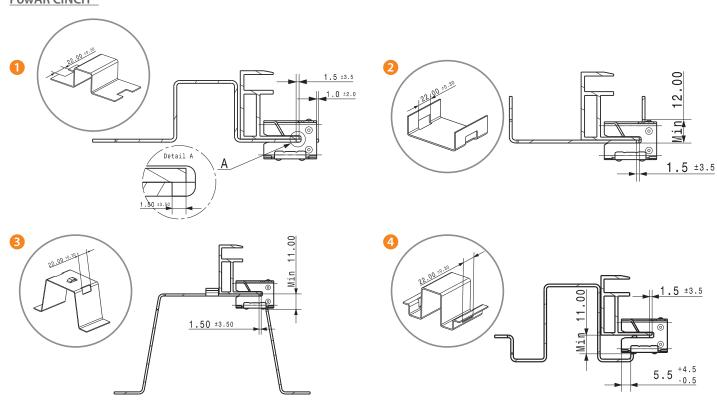


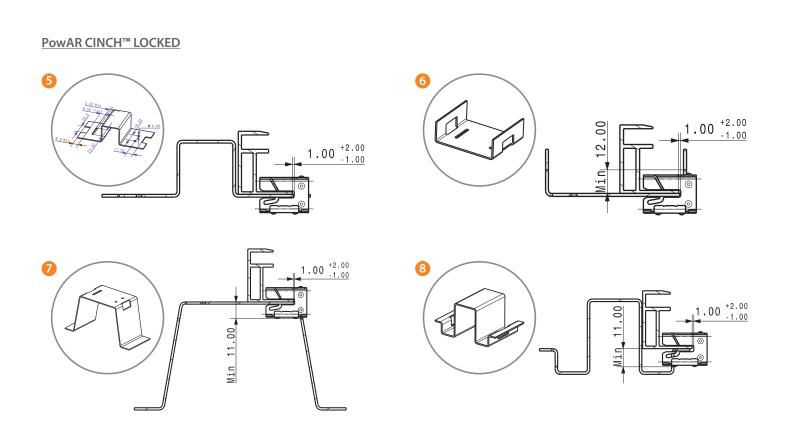


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EXAMPLES OF RAIL SPECIFICATIONS

PowAR CINCH™







· Powar Cinch™: Fastening & Grounding Clip for Framed Modules on Trackers or Ground Mount · ·

TECHNICAL SPECIFICATIONS



		POWAR CINCH [™] NARROW (S)	POWAR CINCH [™] WIDE (L)	
		2.3 mm <= (Thicknesses Rail + module's frame) <= 3 mm	3 mm <= (Thicknesses Rail + module's frame) <= 3.8 mm	
PRODUCT DETAILS	ARTICLE N°	240865	243648	
	MATERIAL	Steel 1.1231- DIN EN 10132:2000 (SAE 1070 - ASTM AISI)		
	SURFACE TREATMENT*	Zn Al Flake coating		
	DIMENSIONS IN MM	27 x 19.5 x 20		
	WEIGHT IN G	13		
PERFORMANCES	MECHANICAL RESISTANCE	Load +5400/-2400 Pa compliant with IEC 61215-10.16:2005		
	CORROSION RESISTANCE	No red rust after 720 hours salt spray acc. EN 60068-2-11:1999		
	GROUNDING CONTINUITY	Compliant with IEC 604391:20014 8.2.4.1 after 240 hours salt spray, acc. to EN 60068-2-11:1999		
ENVIRON- MENT	PV MODULE SPECIFICATIONS	Module with minimum lip length B of 16 mm, see page 2		
	RAIL SPECIFICATIONS	See technical drawings ② , ⑤ , ③ and ⑥ , see page 3		



		POWAR CINCH [™] LOCKED NARROW (S)	POWAR CINCH [™] LOCKED WIDE (L)	POWAR CINCH [™] LOCKED EXTRA WIDE (XL)		
		2.7 mm <= (Thicknesses Rail + module's frame) <= 3.55 mm	3.3 mm <= (Thicknesses Rail + module's frame) <= 4.15 mm	3.8 mm <= (Thicknesses Rail + module's frame) <= 4.65 mm		
PRODUCT DETAILS	ARTICLE N°	247433	250381	248217		
	MATERIAL	Steel 1.1231- DIN EN 10132:2000 (SAE 1070 - ASTM AISI)				
	SURFACE TREATMENT*	Zn Al Flake coating				
	DIMENSIONS IN MM	27 x 19.5 x 20				
	WEIGHT IN G	13				
PERFORMANCES	MECHANICAL RESISTANCE	Load +5400/-2400 Pa compliant with IEC 61215-10.16:2005				
	CORROSION RESISTANCE	No red rust after 720 hours salt spray acc. EN 60068-2-11:1999				
	GROUNDING CONTINUITY	Compliant with IEC 604391:20014 8.2.4.1 after 240 hours salt spray, acc. to EN 60068-2-11:1999				
ENVIRON- MENT	PV MODULE SPECIFICATIONS	Module with minimum lip length B of 16 mm, see page 2				
ENVI	RAIL SPECIFICATIONS	See technical drawings ⑤ , ⑥ , ⊙ and ⑥ , see page 3				

*Other surface treatment available on demand.

 $Product\,in formation\,disclosed\,in\,this\," data\,sheet"\,can\,be\,modified\,without\,any\,previous\,notice.$

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