

smartFLAP[®]

PV substructure for First Solar[®] Series 6 modules



Genius three steps – safe, easy, fast

Jurchen Technology is

First Solar[®]
ECOSYSTEM PARTNER

Genius three step module mounting

What's smartFLAP®?

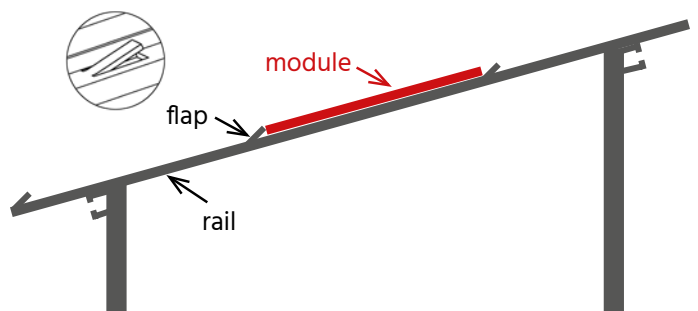
smartFLAP® is a PV fixed tilt substructure for large photovoltaic modules. The system is optimized for First Solar® Series 6 modules.

What's special?

smartFLAP® PV substructure has rails with flaps. The flaps allow exact positioning of the modules and prevent them from slipping backward while the rails act as a guidance/track up to the final position.



The rails guide the modules laterally.

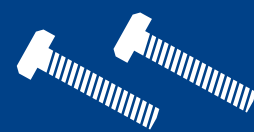
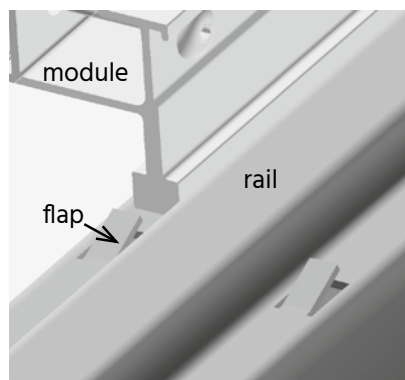


The flaps prevent slip back and keep the modules in the correct position.



3x faster

module mounting
as typical structures



only 2 screws

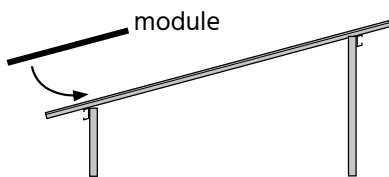
per module for fixing

1st Step

Safe Placing

The module is placed on the lowest part of the two rails.

The module is safely positioned and cannot slip along the rails due to the presence of flaps.



Benefits

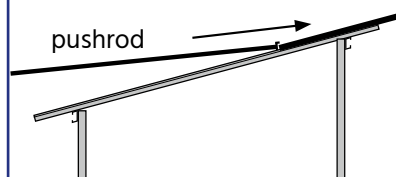
- Safe, easy and fast placing
- No tools required

2nd Step

Easy Sliding

The module is pushed to its final position safely using the mop-like rod, without standing underneath the substructure.

The module cannot fall sideways due to the shape of the rails and cannot slip down due to the presence of the flaps.



Benefits

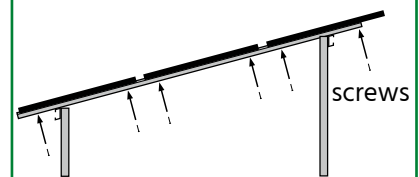
- Safe, easy and fast positioning
- Less risk of injury and damaging modules

3rd Step

Fast Fixing

Bolts are installed from underneath the module while standing on the ground without the need to climb on the substructure.

The smart bolting solution connects two modules simultaneously.



Benefits

- Safe, easy and fast fixing from underneath
- Reduced installation time and labor cost



Safe placing



Easy sliding



Fast fixing

Technical data – smartFLAP®

System	pecially adapted for First Solar® Series 6 modules
Module arrangement	3 modules portrait on top of each other
System inclination:	8°, 15°, 20°
Height above ground level	on request, ~700 mm (bottom edge of module table)
System height	~2380 mm
Distance between posts	according to static calculation
Corrosion class	C3, C4



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All data may subject to alterations and errors.

A photograph showing a large array of solar panels installed in a field. The panels are tilted and supported by metal posts. The background shows green trees and a clear sky. A blue banner is overlaid on the top right of the image.

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