



## Technical data – smartFLAP

System	specialy 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 piling supports	according to static calculation
Corrosion class	C3, C4



Jurchen Technology GmbH  
Prinz-Ludwig-Straße 5  
97264 Helmstadt  
Germany

phone: +49 9369 98229-6600  
fax: +49 9369 98229-6699  
E-Mail: [info@jurchen-technology.com](mailto:info@jurchen-technology.com)  
[www.jurchen-technology.com](http://www.jurchen-technology.com)

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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 structures. The background shows green trees and a clear sky. A blue banner is overlaid on the top right of the image.

smartFLAP – safe, easy, fast

# smartFLAP®

PV substructure for First Solar Series 6 modules

Genius three steps – safe, easy, fast

First Solar®  
Ecosystem Partner

# smartFLAP®

## Genius three step module mounting

### What's smartFLAP?

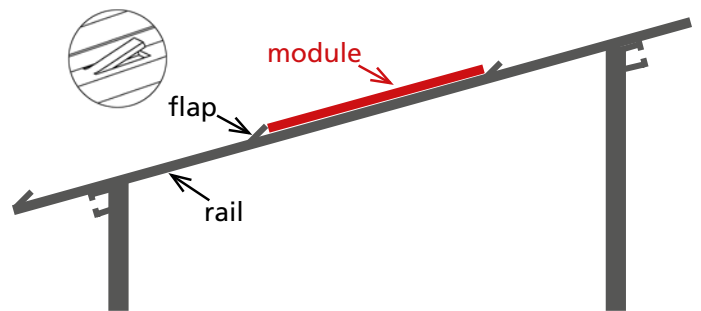
smartFLAP is a PV fixed tilt substructure for large photovoltaic modules. The system is optimized for FirstSolar Series 6 modules.

### What's special?

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



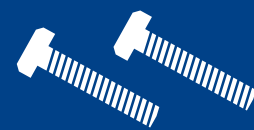
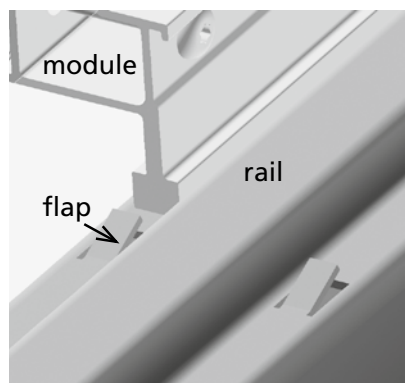
The rails guide the modules laterally.



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



**3x faster**  
module mounting  
as typical structures



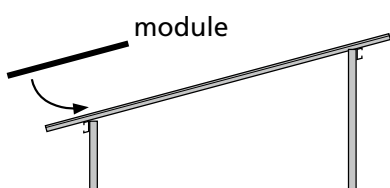
**only 2 screws**  
per module for fixing

### 1st Step

#### Safe placing

Place the module onto the two rails in the lowest position.

Thanks to the flaps, the module is safe and can not slip down.



#### Your benefit

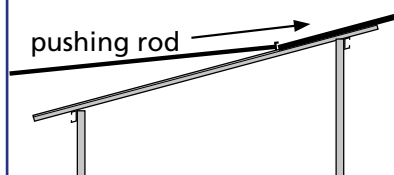
- Safe, easy and fast positioning
- No tools required

### 2nd Step

#### Easy pushing

Thanks to the pushing rod you move the module into the final position without entering the substructure.

The rails prevent slipping sideways while the flaps hold the module back in place vertically.



#### Your benefit

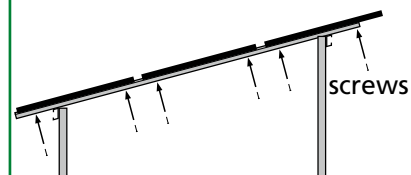
- Safe, easy and fast final positioning
- Less risk of injury and damaging modules

### 3rd Step

#### Fast fixing

Bolt the modules from below. Again, you don't have to climb onto the substructure and therefore eliminate the risk of damaging modules.

The intelligent bolting solution fixes two modules simultaneously.



#### Your benefit

- Safe, easy and fast fixing from below
- Reduced installation time and therefore reduced labor cost



Safe placing



Easy pushing



Fast fixing