



## LEICHTmount™ FLAT ROOF SYSTEM

lightweight & non-penetrating



### Revolutionary Solution:

LEICHTmount™, (German for “lightweight” and “easy” mounting system), was engineered to meet the custom needs of the most challenging flat roof photovoltaic solar projects requiring a safe, lightweight, flexible racking solution which provides a fast and easy installation.

With its patented technology, LEICHTmount™ provides absolute stability by using precisely calculated, strong, even-weight distribution. Whether as a low ballasted, non-penetrating system, as an anchored system with few strategic mounting points or as a combination of both, LEICHTmount™ can accommodate it.

LEICHTmount™ was developed by a network of experienced engineers from Germany, the USA and NABCEP-certified PV installers in North America.

### Lightweight with Optional Penetration:

The material-optimized and flexible design made of aluminum and stainless steel allows for a low ballast and/or minimal strategically placed attachments where required.

### Easy to Install:

Customized and pre-assembled for each project with low parts count and universal components, guarantees a simple, time-saving installation.

### Ultimate Flexibility:

Unlimited options for variable row spacing and tilt angles between 0° and 35° and its adjustable capabilities on site, add to the flexibility for each installation. Even unforeseen changes or obstructions on the roof can be easily accommodated.

### Maximum Security

RWDI wind tunnel tested and approved, it meets all wind and snow load requirements even in earthquake and hurricane prone regions and is compliant with all current codes and standards.

### Lifetime Longevity:

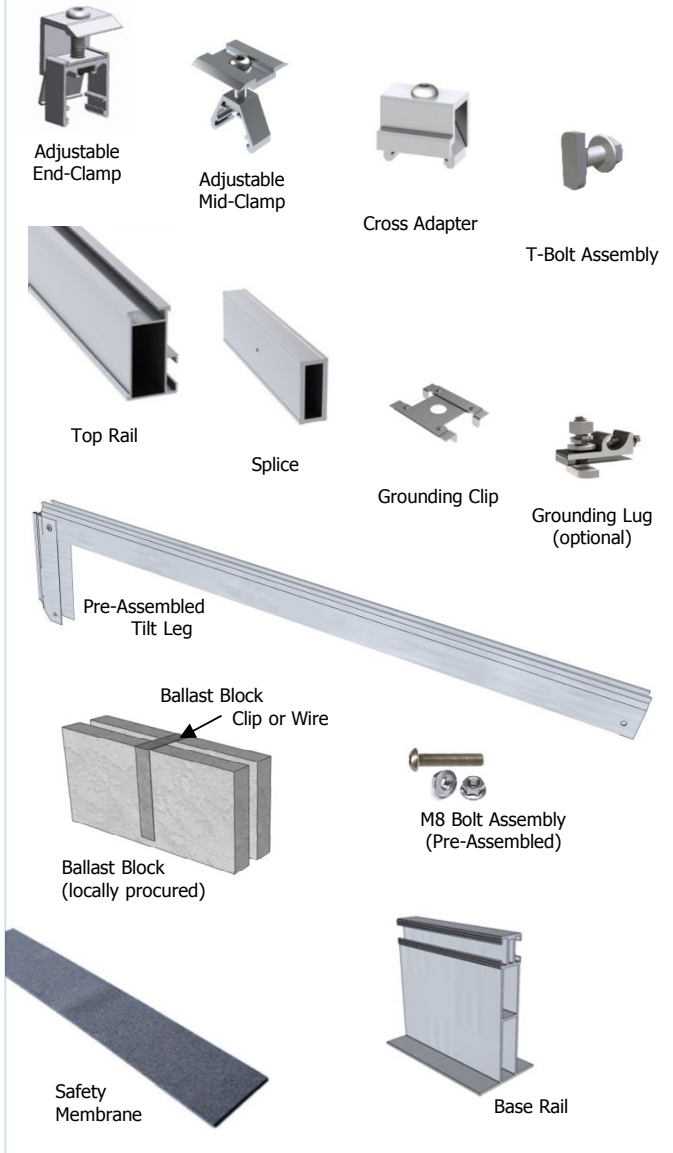
High corrosion resistance ensures a maximum service life and all components are recyclable.

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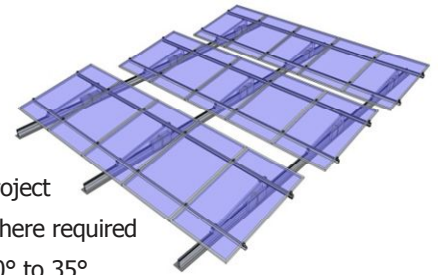
Data Sheet

## The S:FLEX LEICHTmount™ consists of the following parts:



## Advantages:

- Lightweight, low-ballast
- Quick and easy install
- Fewer components
- Customized for every project
- Optional attachments where required
- Optimal tilt angle from 0° to 35°
- Suitable for almost all flat roof structures and surfaces
- Effective use of roof areas due to flexible row spacing
- Portrait or Landscape capabilities
- Meets all wind and snow load requirements
- Suitable for all 60 cell and 72 cell as well as frameless modules
- Module warranties maintained
- Environmentally friendly due to the use of recyclable materials



## Installation Steps:

### Base Rail Placement

- PV array is measured & marked
- Safety membranes are placed
- Base rails are lined up and joined with splices



### Tilt Leg and Top Rail Attachment

- Distances between rows are measured and tilt legs attached to the base rails
- Top rails are then attached with patented click-technology



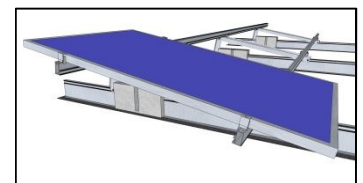
### Ballast Placement

- Ballast is placed based on provided ballast plan
- Anchors are added to offset seismic forces or to reduce ballast if required



### Module Installation

- Modules are placed onto the top rails according to the module manufacturer's specifications
- Module clamps are installed and cables are placed and secured



## LEICHTmount™ Example:

