



The **FAST GROUND MOUNTING SYSTEM** for PV power plants



MANUFACTURER's PRIME QUALITY

All parts are produced in Germany.
All parts come with the usual SHARK quality.



FAST MOUNTING

No mounting system can be installed faster. No soil sealing.
Pre-fabrication and pre-assembly with just a few parts save time and costs.



AUDITED SAFETY

Static, material, execution and place of manufacture
is tested and audited by TÜV Rheinland*.



100% sustainable

Used materials have life cycle of more than 20 years.
100% recyclable.



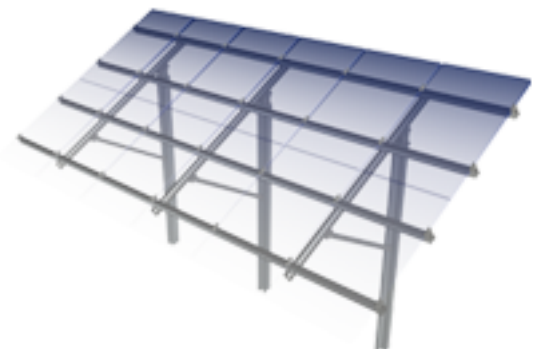
Delivered "just in time"

All material is packaged per base module or per client wish.
Delivery according to agreed date and place.



Most robust

Pils can be driven into 10 cm concrete or tar.
Also for stone desert and sand desert applicable



The technically optimized mounting system **SHARK fedex** can be used for all different soils and can be ordered with tracker system.

Shark fedex is one of the most robust system on the market. Pils can be drilled through concrete and tar and also used in sand and stone desert.

SHARK fedex combined with the **QSTAIN SHARK installation service** provides the best price-performance ratio on the global market.

Shark fedex comes onsite fully pre-assembled with just a few parts.

Shark fedex comes with lightening protection and earthing potential equalization from module (special clamps) to ground.

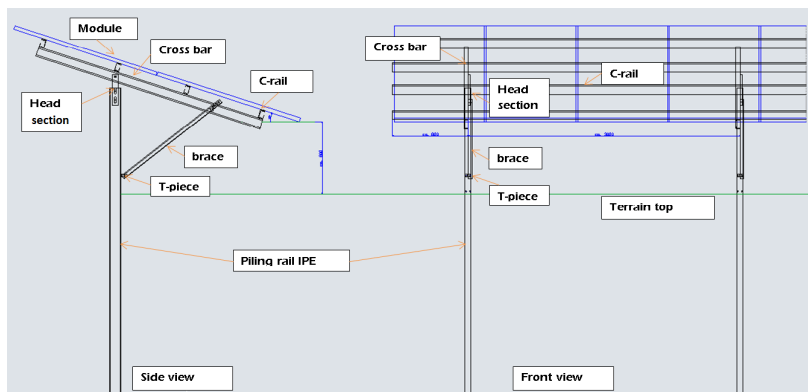
Shark fedex is optimized for terrain maintenace and module cleaning.

With **SHARK fedex** east-west solution (duplex) even higher efficiency can be generated and for the investor higher profit.

20 years
Product warranty



High Value. Fast. Secure.



Pre-assembled clamb click-system for fast mounting



Aluminium frames with cable channel for fast cable installation, metallurgically shielded and for cable protection

TECHNICAL DATA

| | |
|----------------------|---|
| Field of application | Ground mounted |
| Type of soil | All soil classes |
| Inclination | 10° - 30° (smoothless onsite) |
| PV-Modules | All modules including no frame modules and thin film |
| Orientation | south and east / west |
| Module orientation | 2x vertical // 3 x horizontal |
| Connecting elements | Stainless steel A2-70, hot dip galvanized steel |
| Static principles | Eurocode 9 - dimensioning and design of aluminium frames; load assumption DIN EN 1991 (Eurocode 1), Static proof DIN DIN 1 00 - Design and construction of steel structures |
| Span width | up to 3,5 m |
| Material | Aluminium (EN AW- 0 3 T), hot dip galvanized steel, V2A |
| Installation time | 10 kWp / man-hour |
| Product warranty | 20 years |

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