



Ground level mounting system

ALFREI

Planning variety and static security for ground level arrangements

ALFrei is an optimized mounting system for various applications of solar systems in open areas. It takes all kinds of modules in single row, multi-row, horizontal or vertical arrangement. Using high quality materials such as galvanized steel or stainless steel angles, profiles and connecting elements as well as aluminum profile rails provide durable and can withstand extremely stable structures, the numerous requirements. Diagonal braces secure the system also against lateral forces. Our specially designed in-house carrier profiles provide static safety tested.

To use the incoming solar energy optimally, it is possible, the angle of the system as needed to adapt to local conditions. This is realized through support brackets which are adjustable in different angles. In addition, it allows a hole pattern to mount two rails in various lengths.

For our free system, we offer three types of foundation, which allows an anchor in different soils. Con-

crete foundations, rotary foundations or pile foundations be used in. These are combinable easily with different substructures. In this manner the soil conservation is guaranteed among other things, while their treatment is prevented by sufficient distance of the modules to the ground.

The delivery system of any detailed installation instructions and safety case is a static according to DIN 1055 and EC1/EC3. If requested a complete investment interpretation can be provided. We deliver to every arrangement information about the regulation of the maximum achievement and for the exploitation of the available surface. Our range also includes special components such as lightning protection, theft protection and cable channels as well as modules and inverters.

ALFREI offers:

- optimized solutions for all areas of application in the ground level
- high economic efficiency by optimum material interpretation
- very good price-performance ratio for quality-products from germany
- variable module inclinations, conformist to the respective location
- Height balance for the different systems also for difficult area
- long-lasting and high-quality system components
- lasting corrosion resistance
- quick and easy installation
- Competence and service of the inquiry up to execution

For the planning, design and implementation of individual field projects in our house, a competent staff team.

Talk to us!



Rotary foundation



Pile foundation



Concrete foundation



Planning example of an ground level with pile foundation, solar park Solsbor (Bulgaria)



Energy park Süptitz (at Torgau)



Example of a special construction: Ground level arrangement with concrete foundations and rotary foundations (under construction) on a potash waste dump as a rain protection for the prevention of the ground salinisation



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