

Tiltable photovoltaic system with piling

System

The tiltable photovoltaic system SKipp is an alternative to conventional systems anchored in the ground. Due to the modules' ability to shift under wind loads, only moderate piling is required, which is generally more cost-effective than piling for rigid PV systems.

Alternatively, we also offer the system without piling. Both the tiltable PV modules and the solid concrete bases provide the necessary stability.

This system can be used in various applications, including agriculture, water protection zones, or former landfill sites (areas where the soil layer cannot be penetrated).

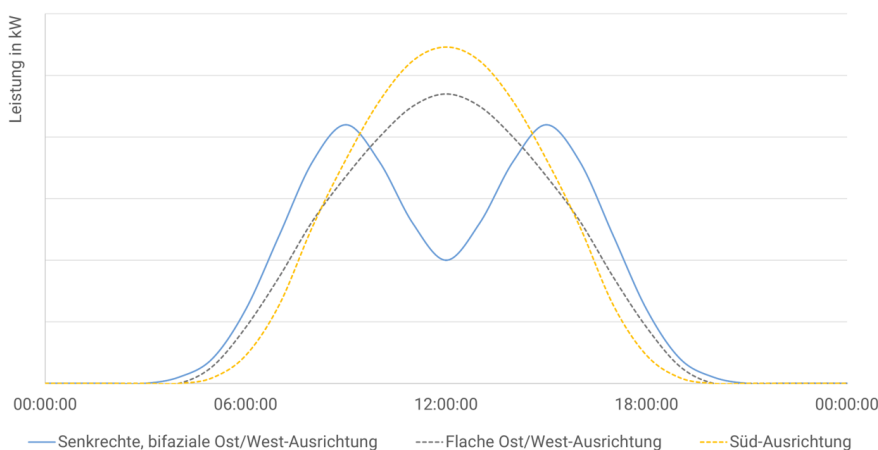


Applications

Dual Use as Agri-Photovoltaics

The row spacing created by the photovoltaic system allows for concurrent agricultural use of the area. Privilege is available for up to 2.5 hectares.

High yield and grid-friendly profile



Our long-term measurements clearly show that the energy yield is higher compared to south-facing installations. A significant portion of the energy yield occurs in the morning and afternoon (blue line), when grid feed-in is particularly profitable. Conventional south-facing systems achieve the highest energy yield around midday (yellow line). However, at this time, there is an oversupply that negates the price advantage.


Agri-PV


Construction


- ① **Bifacial Photovoltaicmodules**
(2x 2m²)
- ② **The maintenance-free sliding bearing**
allows the module to shift under wind load.
- ③ **Return weight** for vertical alignment of the
module in an unloaded state
- ④ **Anchor pile** for secure grounding
with the earth



Key facts

 **0,91 kW_p** per Unit
0,36 kW_p/m length-specific

 **2,99 m x 2,5 m x 0,185 m**
 Height x Width x Depth

 **9,5 ct/kWh***
 Secured compensation



* Taking into account the requirements of the EEG Act following its amendment in 2024; applicable only for dual use of agricultural land

High storm and snow resistance

Under high wind loads, the module shifts in a way that ensures high storm resistance despite the lightweight construction. At the same time, the risk of the system tipping over is eliminated. Snow loads are not a concern with vertical mounting.