



## Tilting photovoltaic system (roof)

### System

The mobile and tiltable photovoltaic solution SKipp Roof is ideal for green roof areas. This fully preserves the ecological performance of the green roof as a compensation area. The installation can be carried out easily on already greened roofs or during the greening process.

### Applications

#### **Retrofittability: Use on already greened roofs**

While conventional photovoltaic systems have to be installed integratively with the greening, the SKipp solution provides the necessary load and stability thanks to the integrated reserve weight. Tipping over or slipping, even in strong winds, is impossible. Roof penetration is not necessary.

#### **Low shading**

**The vertical modules allow the vegetation to be exposed to more sunlight and thus have a positive effect on plant growth.** The row spacing between the modules (approx. 1.5 m) also allows taller growing plants.

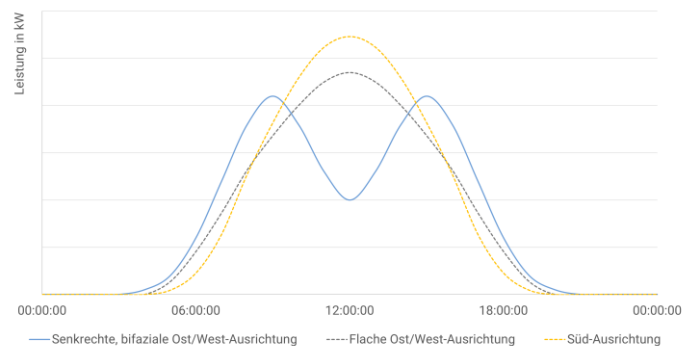
### Advantages

#### **High storm and snow resistance**



At high wind loads, the deflection of the module takes place so that a high storm resistance (max. 25 m/s, wind load zone 2) is given. It is impossible for the system to tip over. Snow loads do not play a role in vertical mounting.

#### **High yield with grid-serving profile**

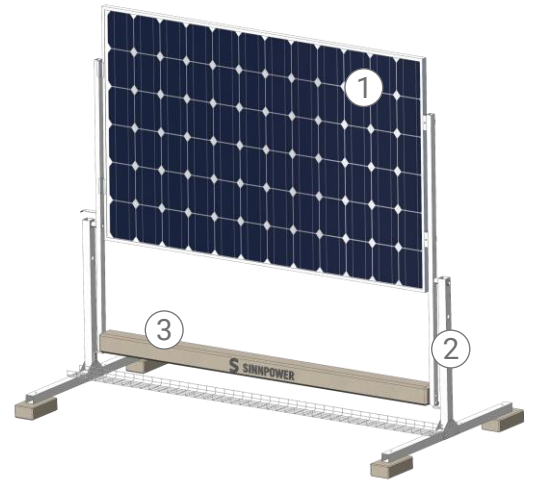


Our long-term measurements show that the electricity yield is higher compared to south-facing systems. A large part of the electricity yield is generated in the morning and afternoon, when the grid feed-in is particularly profitable.


## Green roof areas | upgradeable


### Construction


- ① **Bifacial photovoltaic module**  
(2m<sup>2</sup>)
- ② **Maintenance-free slide bearing** enables deflection of the module under wind load
- ③ **Restoring weight** for vertical alignment of the module in the unloaded condition



### Key figures

 **0,43 kW<sub>p</sub>** per unit

 **1,72 m x 2,0 m x 0,84 m**  
Height x Width x Depth

 **79,5 kg** Total weight per unit  
**13,3 kg/m<sup>2</sup>** specific weight

