

# BuGG Focus "Solar Green Roof"

Excerpts from the BuGG technical information "Solar Green Roof"



## The most important planning principles for the Solar Green Roof

### Basic key factors for "Solar Green Roofs"

The following basic principles must be considered for a long-term implementation of Solar Green Roofs:

- Avoid shading of the solar modules
- Position modules and module rows in such a way that maintenance is easily possible
- Regular, professional maintenance
- Early communication and coordination of the trades involved
- Preferential use of load-supported systems
  (0 5° roof pitch) to avoid roof penetrations

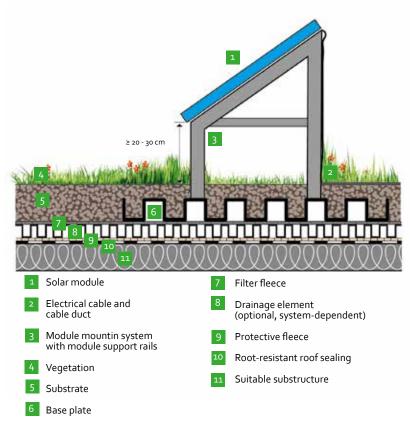


### Avoid shading due to plant growth

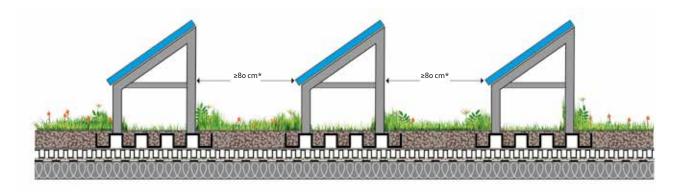
- Sufficient distance between the substrate surface and the lower edge of the module of at least 20 - 30 cm. Depending on the plant selection, the distance should be even larger if necessary
- Use of suitable plants with low growth and dense surface closure
- Low substrate height (of about 5 8 cm) in front of the solar modules to exclude taller-growing species. If necessary, ensure that the minimum load is applied to secure the stand

### Substrate height

The vegetation support layer can be installed continuously over the entire roof surface at the same construction height of approx. 8-10 cm, depending on the type of greenery, vegetation goal and minimum load to be achieved (for load-supported systems). Or it can be modelled in waves with an construction height of 6-15 cm so that there is less substrate in front of the solar modules than under the modules.



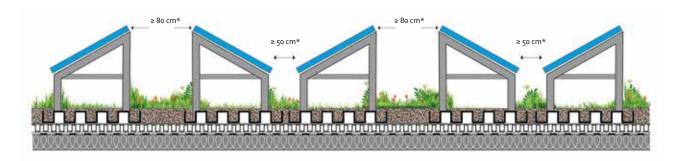
### Solar Green Roof with south orientation







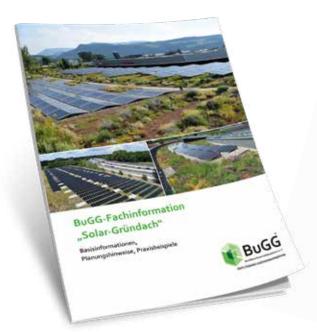
### Solar Green Roof with east-west orientation







# **BuGG Technical Information** "Solar-Green Roof"





### Our recommendation on the topic of Solar **Green Roofs!**

The detailed BuGG technical information "Solar Green Roof" comprises 52 pages, including plant lists, practical examples and is well illustrated with almost 80 illustrations and sample photos. It can be ordered for a nominal fee of 19 euros plus shipping costs: info@bugg.de

### **Imprint**

#### User instructions

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### All photos and illustrations

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