



Floating photovoltaic system

System

The floating photovoltaic system SLagoon is the solar power plant for moderate maritime environments such as lagoons, harbour basins or reservoirs. This robust solution is suitable for wave heights of up to 8.5 m (max.). Due to the modular and scalable design, the system can meet different project requirements individually.

Applications

Use in moderate marine environments

Thanks to its robust design, the SLagoon can withstand wind speeds of up to 30 m/s or 108 km/h and wave heights of up to 8.5 m (max.). As a result, the system can be used in waters that conventional floating systems can no longer serve.

Use in waters with strongly fluctuating water levels

The SLagoon can adapt to different water levels thanks to its great flexibility: this makes the platform ideal for bodies of water with fluctuating water levels. Even touchdowns on the ground are well-tolerated.

Advantages



Less evaporation: The partially concealed water surface is exposed to less sunlight, which means that the water heats up less.



Creation of new habitats: The floating elements provide protection for animals and promote biodiversity by creating new habitats.



Increased Efficiency: Due to the cooling effect of the water, the PV modules achieve an approx. 5% higher yield compared to land-based systems.

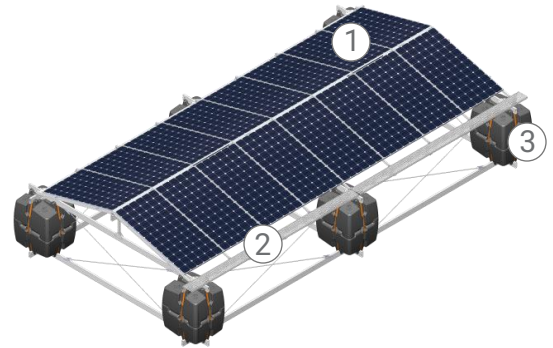


Modular Design: The photovoltaic blocks can be supplemented with heavy-duty platforms and walk-in platforms.


Lagoons | Harbour basins | Bodies of water with fluctuating water levels


Construction


- ① **Highest quality photovoltaic modules**
Monocrystalline HJT-module
- ② **Structure** made of cost-effective and weather-resistant aluminium profiles
- ③ **Floats** made of food-safe material



Key data (Block)

 **10,88 kW_p** per block

 **6,08 m x 11,15 m x 2,5 m**
length x width x depth

 **8,5 m** max. wave height

