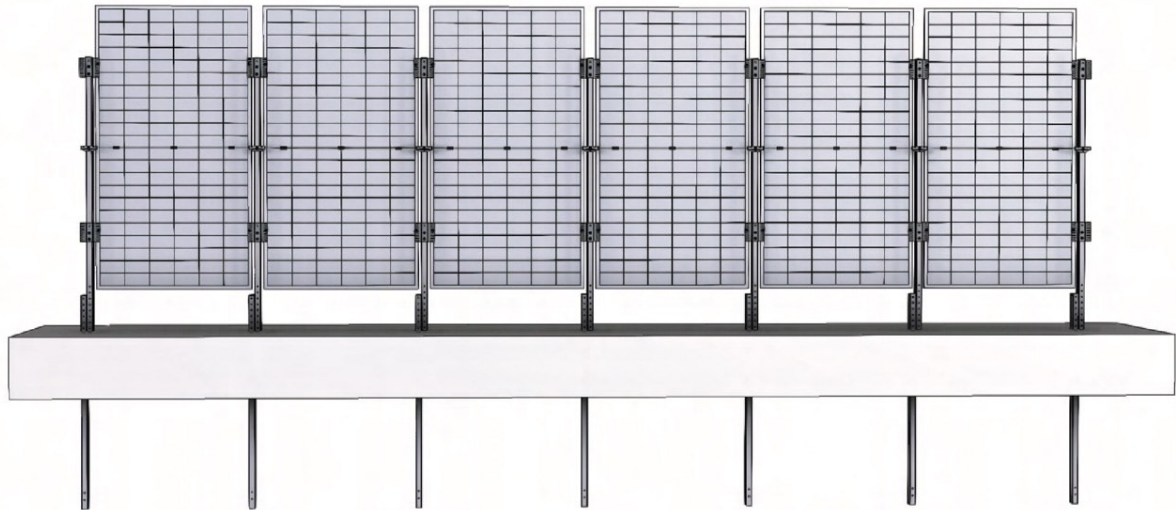




The solar fence is a next-generation engineering solution that simultaneously performs the functions of a traditional fence and a solar power plant. It not only encloses your property but also efficiently generates electricity.

Key Advantages:

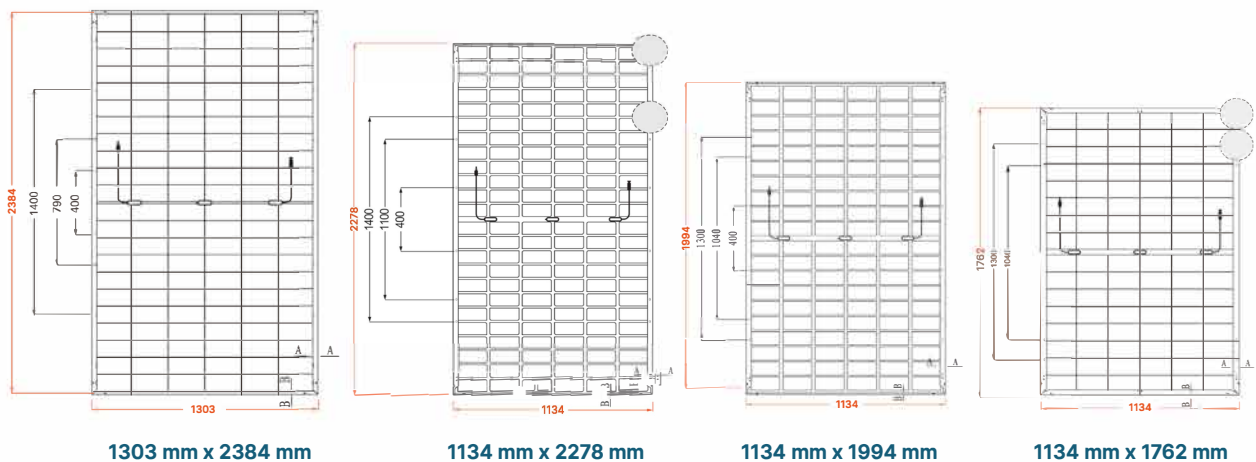
- ⊕ Dual function – fencing and electricity generation.
- ⊕ Cost-effective alternative to conventional fences – with current solar module prices, the system often costs less than a standard fence.
- ⊕ Space saving – vertical module orientation requires no additional space, ideal for narrow or irregularly shaped plots.
- ⊕ Bifacial generation – uses bifacial PV modules that generate power from both sides.
- ⊕ Noise reduction from roads – reflects sound waves and significantly reduces noise levels.
- ⊕ Easy installation and maintenance – modular construction requires no special skills.
- ⊕ High winter efficiency – vertical positioning prevents snow from covering the modules, while snow reflection increases light levels and improves performance.

Optimal Orientation:

Recommended direction – East–West. Although total annual generation is 22–25% lower (compared to classic south-facing systems, according to Germany's 2024 statistics), the peak power output coincides with morning and evening hours when electricity prices are highest.

This is particularly important when using the Net-Billing system, where the calculation is made not in kilowatt-hours but in monetary value for each hour. Such an orientation ultimately ensures up to 30% better financial efficiency.

The structures we manufacture are suitable for solar modules of the following sizes:



Additional Value:

- Easy installation and maintenance – quick assembly, simple upkeep, no special qualifications required.
- Increases property value – an aesthetic and functional fence becomes a valuable feature of your property.