GRID PARITY
next generation photovoltaic

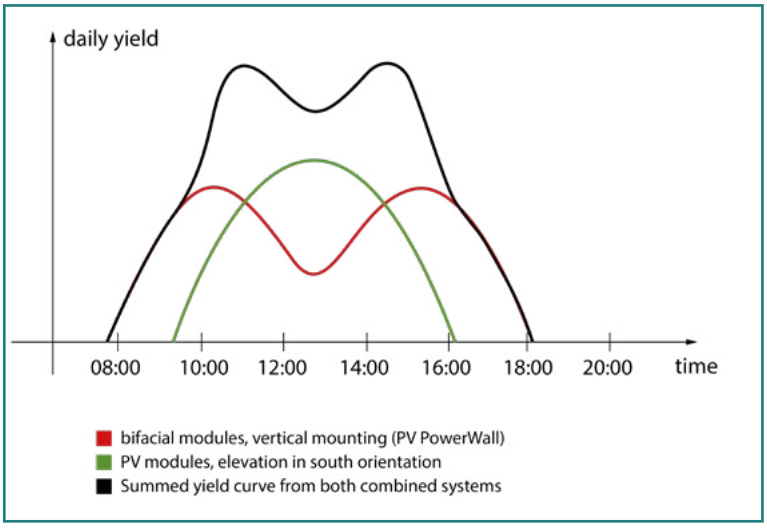
PV Power Wall

Everything from one source: bifacial modules, frames and statically tested anchoring!

Engineered in Germany

Everything from one source!

Vertical elevation became economically interesting with the introduction of bifacial modules and is becoming increasingly popular. This is supported by the fact that PV fence systems do not consume land area and that an **interesting energy balance is achieved in combination with south-facing systems**.
This is clearly shown by the curve shown on the right. The green line shows the power production by south facing PV modules, the red line shows the power production by a PV Power Wall. Together, this results in an high yield over a long period of time.



-> Everything from a single source at an unbeatably low system price!

GridParity is the only company that offers suitable bifacial modules as well as a stable frame and various anchoring options in the ground.

PV PowerWall® for balconies and small installations (up to 100 kWp)

Fence, vertical mounting
(Modules Size I)

Fence, horizontal Mounting
(Modules Size I)

Fence, horizontal Mounting
(Modules Size I)

PV PowerWall® for big installations (100 kWp to 10 MWp)

Noise barrier, horizontal Mounting
(Modules Size II)

AgriPV Fence, horizontal Mounting
(Modules Size I)

AgriPV Fence, horizontal Mounting
(Modules Size II)

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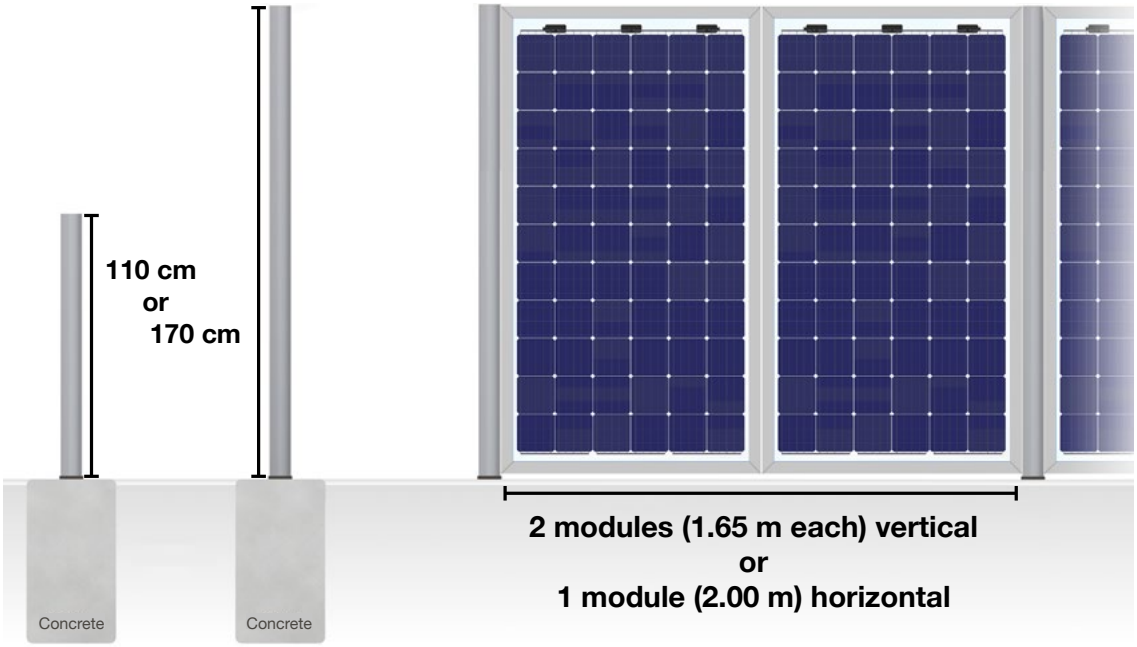
Mounting components of the PV PowerWall®

We use the following high-quality materials for our PV PowerWall® installations:

- Aluminium profiles with anodised coating
- Premium double glass PV modules in different degrees of transparency and with bifacial dual yield
- In the case of outdoor plants (PV PowerPlantWall), steel profiles are rammed into the ground to ensure stability



Fixing on L-bricks

Wind anchor for additional stability of the PV Power Wall; e.g. against wind pressure on free surfaces

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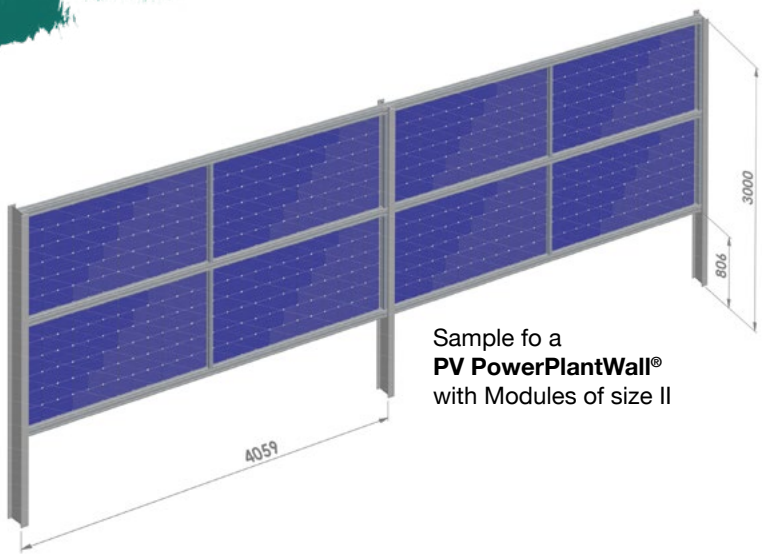
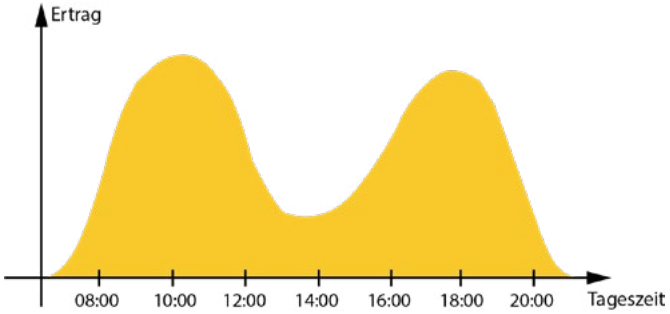
PV PowerPlantWall®

Our PowerWall® enables virtually double yield: Both those from agricultural use, and from a substantial electricity yield.
The bifacial modules which we use have an output of up to 380 Wp at the front. Since we use special cells, the output on the back is only slightly lower.
This is important for a vertical installation, as the sun shines on both sides one after the other during the day. The yield curve is also different from a „normal“ mounting with two distinct peaks.
This is clearly visible in the curve shown below. We have developed special mounting systems for the PowerWall to take account of the considerable wind loads.



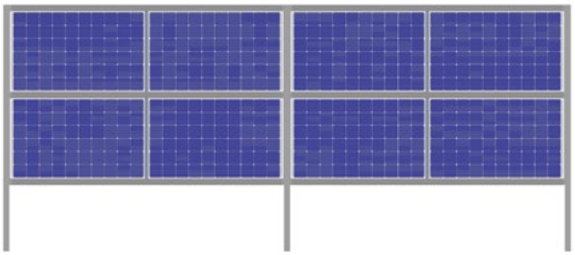
Sample fo a
PV PowerPlantWall®
with Modules of size II



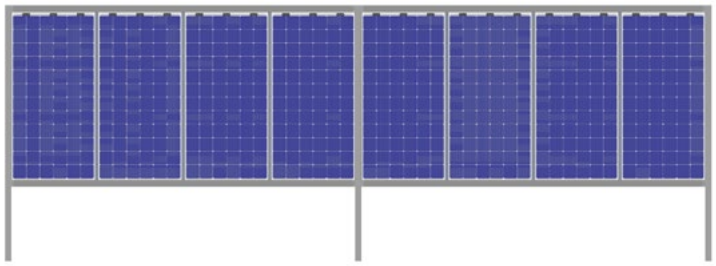
The overall height of the bifacial fence system and the PV balcony installation can be modified. It is 1.50 to 1.80 m for single-row and up to 3 m for double-row installations as standard.

Variable fields of application

The bifacial solar fence adapts to almost any type of terrain and can be quickly installed on the surface with only a few screw connections.
The anodised surfaces of the aluminium constructions offer protection against all weather conditions. The proven and stable mounting frames (anodised aluminium profiles optimised for stability) are equally suitable for installation on balconies, as the picture below right on page 2 impressively demonstrates.
Various options are available for the foundations, depending on the substrate.
Driven steel profiles form a cost-effective foundation. Drilling and concrete foundations are equally possible - as an adaptation to local conditions.

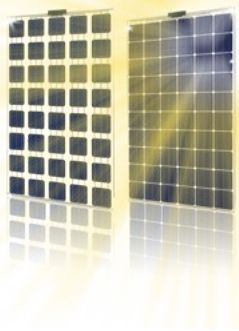


Example of a double horizontal PV fence with modules of size I



Example of a vertical PV fence with size II modules

Best performance with premium double glass bifacial modules



highest Wind & Snow Load

Ultrathin & Ultralight

No Micro Cracks

Fire Resistance

PID free

Highest Load Capacity

2 mm tempered Solar Glass

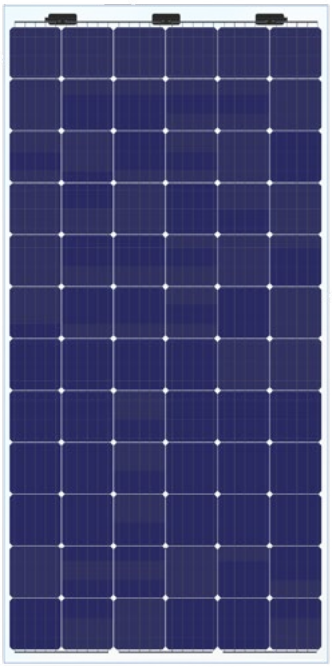
B60
310 Wp

Electrical Specification	STC	NOCT
Maximum Power at (Pmax)	**310 W**	232.01 W
Optimum Operating Voltage (Vmp)	33.20 V	31.13 V
Optimum Operating Current (Imp)	9.82 A	7.45 A
Open Circuit Voltage (Voc)	40.01 V	37.47 V
Short Circuit Current (Isc)	9.82 A	7.91 A
Module Efficiency	18.8%	
Maximum System Voltage	1500 V DC (IEC)	
Operating Module Temeprature	-40 °C to +85 °C	
Maximum Series Fuse Rating	20 A	
Power Tolerance	0 ~ +5 W	

Bifacial

Size I

DIMENSIONS:
1658 x 992 x 5 mm



B72
370 Wp

Electrical Specification	STC	NOCT
Maximum Power at (Pmax)	**370 W**	275 W
Optimum Operating Voltage (Vmp)	39.1 V	37.0 V
Optimum Operating Current (Imp)	9.47 A	7.43 A
Open Circuit Voltage (Voc)	47.9 V	45.4 V
Short Circuit Current (Isc)	10.16 A	8.20 A
Module Efficiency	18.9 %	
Maximum System Voltage	1000 V DC (IEC)	
Operating Module Temeprature	-40 °C to +85 °C	
Maximum Series Fuse Rating	15 A	
Power Tolerance	0 ~ +5 W	

Bifacial

Size II

DIMENSIONS:
1980 x 990 x 5 mm

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Please contact us for an individual offer that meets your needs.
We look forward to your message.

GRID PARITY
next generation photovoltaic

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CERTIFIED ISO 9001:2015 COMPANY

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