



SCAN THE CODE AND
LEARN MORE ABOUT
AGRI-PV



Budmat.

PV Systems

Benefits of agrivoltaics

For agriculture

- increased farm profitability
- by up to 80%
- protection of crops against extreme conditions
- water savings of up to 20% thanks to shading and micro-retention
- more stable yields
- better land use - energy and yields from one hectare

For the environment

- less soil erosion and reduced evaporation
- enhanced micro-retention - more moisture in the soil
- protection of biodiversity and pollinating insects

For the economy

- greater energy independence
- lower energy costs on the farm
- access to subsidies and renewable energy support programs

What is agrivoltaics and why is it worthwhile?

Agrivoltaics

energy and crops from the same land

Agri-PV is an innovative solution that combines crop cultivation with solar energy production. Thanks to specially designed structures, PV modules are mounted above the crops, allowing for simultaneous cultivation and electricity generation.

This is the ideal solution for:

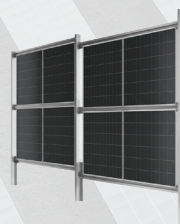
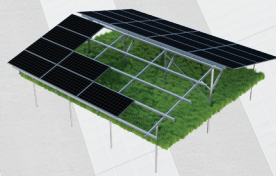
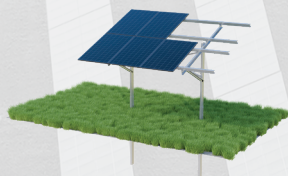
- Protecting crops from sun, hail, and wind
- Save water and increase soil moisture
- Secure an additional source of income for the farm
- Enable animals to graze under the solar modules, which provide shade and protect against heat

Agrivoltaics is a technology of the future that is already increasing the profitability of agricultural businesses and actively supporting the energy transition in rural areas.

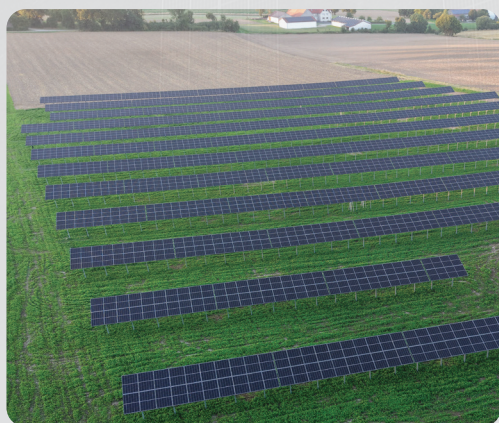


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Structure	One-support S	Three-support or four-support EW	One-support EW	Tracker 1P or 2P
Foundation	driven into the ground fixed to concrete ballast blocks			
Tilt angle	standard 20°, other angles available on request	standard 15°, other angles available on request	90°	+ -60°
Material	S350GD steel with Magnelis® anti-corrosion coating			
Modules orientation	horizontal or vertical	horizontal or vertical	horizontal or vertical	vertical
Configuration of modules quantity	individual design			
Module mounting type	individual design			
Wind and snow project	compliant with Eurocodes and local load standards			
Adaption to conditions	structure designed for local snow and wind conditions			
Table length adjustment	in accordance with the geodetic conditions plan			
Warranty	from 10 years, optionally up to 25 years			



Our realisation - innovative monopile construction

Agri-PV is developing dynamically in Germany, where more and more farmers are combining crop cultivation with energy production. Budmat PV Systems supplies structures for Agri-PV parks, designing and manufacturing solutions tailored to the real needs of farmers and investors.

In this project, we used our proprietary monopile structure, designed specifically for Agri-PV requirements. The modules were mounted at a height of 2.1 meters, so that crops remain protected and agricultural machinery can operate freely between rows. It is a combination of solid engineering and practical agricultural needs.

