

AGROVOLTAICS

an **innovative approach** that combines **electricity** production
with **agriculture**



Agrovoltaics

Agrovoltaics is an innovative approach that combines electricity production with agriculture in the same area. In practice, this means installing photovoltaic panels within greenhouse structures or on agricultural fields in such a way as to simultaneously enable the cultivation of plants and the generation of electricity.

Key aspects of Agrovoltaics



Dual use of land

Agrovoltaics allows for more efficient use of available space, which is especially important in areas with limited land resources.



Crop safety

The use of photovoltaic modules in agrovoltaics has a positive effect on crop safety by preventing excessive sunlight, reducing water evaporation, and can constitute a physical barrier protecting against hailstorms.



Support for farmers

Agrovoltaics provides additional free energy from the sun for the farm's own use, or can provide an additional source of income for farmers by selling the electricity generated.



Sustainability

Promoting sustainability by combining food production with renewable energy production, which helps reduce greenhouse gas emissions.



Adequate sunlight

Thanks to the use of fully glass PV modules with favorable properties that transmit photosynthetic radiation (PAR) and with adjustable light transparency, ML System can adapt the photovoltaic installation to specific needs.



Classic frame module



Application examples

Plant crops

The panels can be installed on elevated structures, which allows you to grow plants underneath them.

Pastoralism

In pastures, panels can provide shade for animals, which can improve their comfort and health.

Specialty crops

For plants requiring specific light conditions, such as grapes, integrated photovoltaic systems can be adapted to their needs.

Agrovoltaics is a dynamically developing area that can play a key role in the future of sustainable agriculture and energy production.



thickness
from 3.5 mm



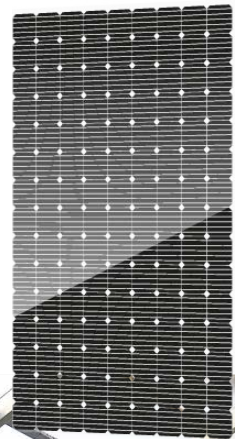
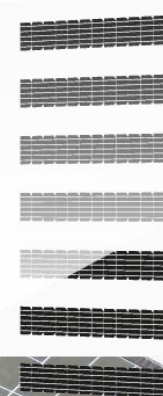
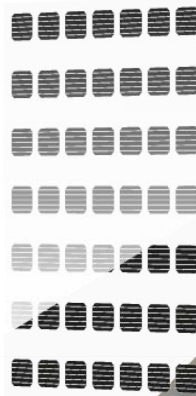
up to
200 Wp/sqm



possibility of changing the transparency
of modules and the arrangement of cells



possibilities of adaptation to existing
greenhouse structures



Glass - Glass modules
Polyester Backsheet optional



Green
solar energy



High module
efficiency
and quality



Advanced
engineering



EU warranty



Complimentary
consultation
and
professional help



WHY ML SYSTEM ?



- One of the most innovative producers of photovoltaic modules
- Own Photovoltaic Research and Development Center
- A supplier of the highest quality photovoltaic products
- Photovoltaic modules in any size and shape
- Top-quality components
- Warranty of the EU manufacturer

Contact Us

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