



Sustainable partnership of Solar and Agriculture



IDEEMATEC



INNOVATIVE AGRI-PV

The IDEEMATEC L:TEC® Agri-2P Tracker is built on our patented L:TEC® technology — a field-proven system with over 6 GW of operational trackers across six continents. Engineered specifically for agricultural use, the L:TEC® Agri-2P enables dual land use by combining high-efficiency solar energy production with agricultural functionality. This innovative solution meets the evolving demands of farmers and agricultural stakeholders, whilst delivering both sustainability and productivity.



IDEEMATEC'S AGRI-PV SOLUTION

This sets the standard for these prerequisites whilst fully aligning with all required specifications. Our team is here to guide you through the process and explore your project in greater detail.

SMART, SIMPLE, CONNECTED

Manage your PV field in real time

- Mobile tracker operation
- Field management by mode
- Real-time weather response
- iOS & Android compatible
- Cloud-based connectivity
- Backup control panel on-site
- Cybersecure cloud backbone
- Monitoring camera integration



ELECTRICAL FARMING

The concept of agricultural photovoltaics (Agri-PV) leverages the dual use of managed land—combining arable farming or grassland management with "electrical farming," i.e., generating solar energy directly from the field. This can be achieved whilst avoiding any significant loss of usable agricultural space.

The modular tables are installed in a horizontal position to support the "Grassland" management mode. The area beneath can be maintained as usual — including mowing and fertilizing — whilst ensuring minimal disruption to ongoing agricultural activities.



DOUBLE USE OF LAND







Utilising agricultural land for both farming and solar energy generation is a significantly more efficient use of space. Municipalities, energy cooperatives, and progressive farmers are already doubling the value of their managed fields and grasslands whilst integrating solar power production.

In the "Agriculture" harvesting mode, the trackers can be tilted up to 70 degrees, whilst allowing harvesting machines to pass through with ease.



MAXIMUM DESIGN FLEXIBILITY

Unlike any other tracker

- 
Suits all modules types:
 66 Cells, 72 Cells, 78 Cells, bifacial
- 
BOS
 optimized layout
- 
Modular
 tracker configuration
- 
Up to 135m
 tracker unit
- 
Row distance
 standard 11m up to customer request
- 
Array height
 standard 2.8m



DIN SPEC 91434

Defines the standards for primary agricultural use within Agri-PV systems. It establishes key requirements for planning, operation, documentation, and performance monitoring, along with measurement indicators for quality assurance testing. These include parameters such as light intensity and distribution beneath the system—adapted to suit the specific needs of each crop, whilst maintaining optimal growing conditions.



TECHNICAL ADVISORS

Our commitment goes beyond delivering industry-leading products. IDEEMATEC provides access to a trusted network of technical experts and advisors, offering guidance backed by strong industry partnerships to support every stage of your Agri-PV project, whilst ensuring long-term success and operational confidence.

