The Smart Solar Solution for Agricultural Systems
Secure Your Investment with SolarEdge

Unused agricultural rooftops, such as stables, barns and administrative buildings, are typically well-suited for PV installations due to the amount of space available, and the lack of physical obstacles that can interfere with solar energy production. By installing a SolarEdge PV system you can compensate for rising electricity costs, and declining farm subsidies.

Monitor and Control Your System Performance

Full visibility into the performance of each individual module through module-level monitoring
- Pinpointed alerts identifying underperforming modules for higher system uptime
- System status on your mobile devices, anytime, anywhere
- Free for 25 years

Long-Term Warranties and Future Compatibility
- SolarEdge power optimizers and inverters have long-term warranties compared to the industry standard
- Replacement — new modules can be utilized in the same string with existing ones
- Extension — flexibility to add more modules if consumption increases
- Module-mismatch mitigation protects from future shading, aging, soiling, etc.
- Low-cost out-of-warranty inverter replacement
- Power optimizers and inverters have been tested in harsh ammonia exposure conditions and were shown to be resistant to ammonia corrosion

Protecting Your Assets, Livestock, and Personnel
- SafeDC™ — power optimizers are designed to automatically reduce the PV system’s high voltage to a touch-safe 1V per module whenever the grid or inverter is shut down
- Meets the most advanced safety standards (VDE 2100, IEC 60947)
- Exceptional safety features are better suited for potential future insurance requirements regarding PV safety
Improve Your Bottom Line

Maximum Module Power = More Energy and More Savings

Each module in a PV system has an individual maximum power point. Inherent and environmental differences among modules result in power losses. For example:

Mismatch sources

- Transportation Damage
- Different Tilt & Orientation
- Thermal Mismatch
- Partial Shading
- Soiling
- Manufacturing Tolerance

With traditional inverters, the weakest module reduces the performance of all modules. With SolarEdge, each module produces at its maximum energy, and mismatch-related power losses are eliminated.

Reduce Your Electricity Expenses

- Install larger systems to maximize self-consumption by limiting the power export to the grid
- Add an electricity meter to your system to monitor and adapt consumption behavior

Example from SolarEdge’s monitoring platform dashboard of one week’s PV energy production and consumption
About SolarEdge

SolarEdge is a global leader in smart energy technology. By deploying world-class engineering capabilities and a relentless focus on innovation, we create smart energy products and solutions that power our lives and drive future progress.