

Maximize Your Farm's Efficiency and Sustainability with Solar Solutions from Valley.



Feeding and clothing a rapidly expanding population requires new solutions for producing greater yields with fewer resources. Solar energy is the key to maximizing efficiency and sustainability. Valley® offers the most durable center pivots available, as well as the most advanced solar solutions to provide sustainable, low-cost power to them, efficiently converting the sun's rays to clean electric energy.

- Distributed generation of photovoltaic, or PV, energy (converting light into electricity).
- Engineered design and approval of detailed technical projects.
- Consulting on new PV installations focusing on agri-business.
- Every solar installation offers remote monitoring capabilities.

 **Save Money**

 **Improve Efficiency**



The Sun Shines, and We Do the Rest

Everyone accesses the same sun. The difference results from our personal attention to service, the quality of our design and the ROI it offers. The solar solutions experts from Valley have completed hundreds of projects. We are a global leader in delivering clean, efficient power for agriculture – no matter your crop or the size of your operation.

Solar solutions from Valley offer new possibilities by making energy available in places where the traditional electric network has not previously allowed irrigation. But they are also ideal if you simply want to be more sustainable and cost-efficient with your energy. We evaluate your situation to deliver a complete, customized solar power package that meets your farm's specific needs. From engineering and installation design to the financing and ongoing monitoring of your solar plant, Valley takes care of everything.



Solar Energy for Agribusiness



Renewable Energy Meets the Durability of Valley

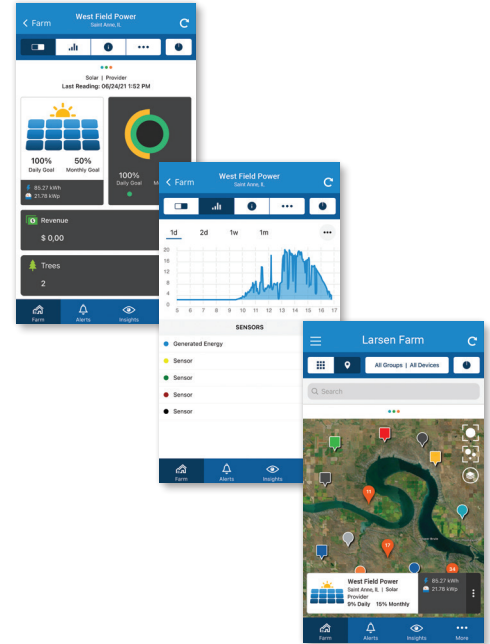
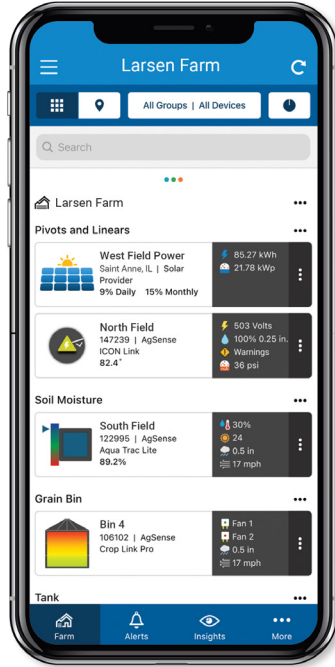
Solar energy offers numerous benefits for agricultural irrigation.

- **Efficiency** – Crops require more water when the sun is shining, which is naturally when solar panels are most effective.
- **Energy Savings** – Because the panels convert the sun's rays to electricity, your operation will save on energy costs.
- **Reduced environmental impact** – Rely less on fossil fuels for power and pumping.
- **Tax credits** – Depending on your state or region, you may receive tax credits for using solar energy.
- **New Possibilities** – Where a traditional electric service does not exist, the pivot can be powered by the sun.



Integrates with Valley 365®

- Every solar installation from Valley offers remote monitoring capabilities available through Valley 365.
- Save time and effort, and gain peace of mind by viewing information at any time, from anywhere.
- Monitor the amount of solar energy being generated per device.



Energy Compensation System

1 The solar panels capture radiation from the sun and convert it into electricity.



2 Charge Controller/Inverter
The electricity is converted to alternating current (AC) from direct current (DC).



3 The alternating current allows use by the farm buildings and machines.



4 The excess solar energy not used at peak times is turned into credits that can be used at night or at times of the year when less solar energy is generated.

See your local authorized Valley Dealer for complete details.

Valmont® Irrigation has a policy of continuous product improvement and development. As a result, certain changes in standard equipment, options, price, etc. may have occurred after the publication of this brochure. Some photographs and specifications may not be identical to current production. Your local Valley® dealer is your best source for up-to-date information. Valmont Irrigation reserves the right to change product design and specifications at any time without incurring obligations.