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# AG SOLAR



Maximize Your Farm's Efficiency  
and Sustainability with Ag Solar by Valley.



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## THE SUN SHINES, AND WE DO THE REST

Driven by one of the most trusted names in agriculture, Valley<sup>®</sup> Irrigation uses the sun's energy to power your agribusiness, providing your operation with a new level of energy independence. As a global leader completing hundreds of solar projects, you can count on our expertise to deliver clean, efficient power no matter the size of your operation. Providing personal attention to the service, generating quality design, and producing a greater return on your investment is the difference and how we shine best.

Ag Solar by Valley offers new possibilities for your business by making energy available in places where the traditional electric network may prove challenging or to mitigate areas of high energy consumption within your business. Our solar service solutions 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 solution that meets your operation's specific needs. From engineering and installation design to the financing and ongoing monitoring of your solar installation, Valley takes care of everything.

Valley offers the most durable irrigation structures in the field, as well as the most advanced solar service solutions, providing sustainable power by efficiently converting the sun's rays to clean energy.

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



**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. For more details, visit [valleyirrigation.com/solar](http://valleyirrigation.com/solar)**





## 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 network does not exist, the pivot can be powered by the sun.

### ENERGY COMPENSATION SYSTEM

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



2 The electricity is converted to alternating current (AC) from direct current (DC).



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.

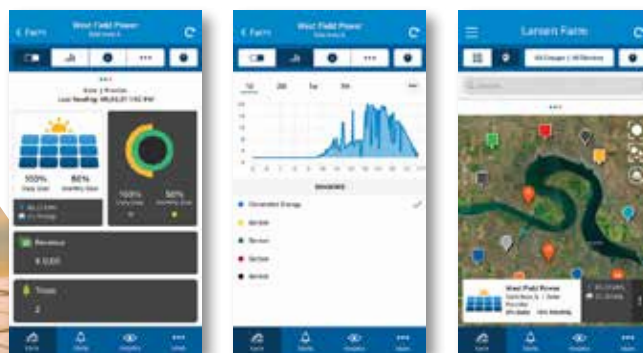
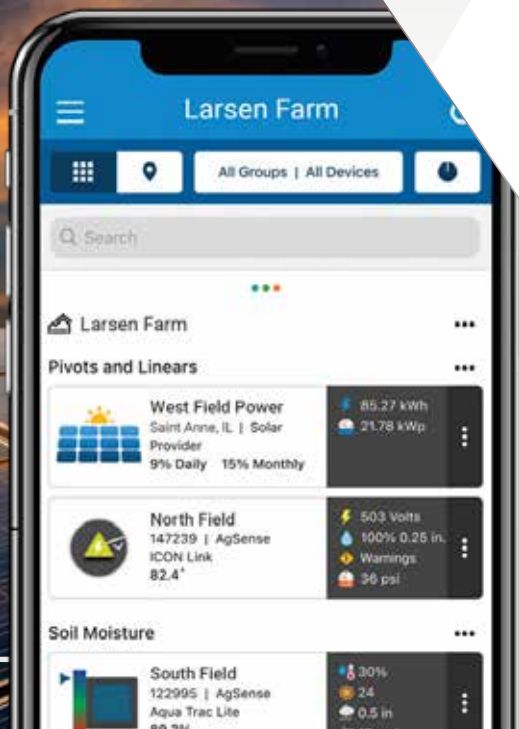


3 The alternating current allows use by the farm buildings and machine



## 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.



See your local authorized Valley Dealer for complete details.



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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.

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