



“eAgri” Solutions

Energy Generation Solutions for Agriculture


eAgri is a state of the art solar energy generation solution designed for water pumping in agriculture, municipal or other applications.

eAgri overcomes the need for expensive, polluting diesel generators and the maintenance, refueling and transportation needs associated with them. Its solar powered variable frequency drive ensures that water is pumped from the earliest hours of sunlight and stored in a water tank to be used at any time.

With its pre-packaged, easy to install kit, eAgri can be quickly installed on site, in any off grid or remote location. eAgri is a safe, clean, low maintenance investment that improves farming efficiency, reduces costs and makes water irrigation a hassle-free and smooth experience.

S130E

E2L™
BRIDGING THE ENERGY GAP



“Finally, a cost-effective solution that substantially reduces water pumping costs and improves profitability.”

Why eAgri?

Global Challenges, Global Potential

With rapid demographic and economic growth, demand for electricity is ever-increasing, and with it the gap between energy supply and demand. Electricity production from fossil fuels is the largest source of greenhouse gas emissions and will continue to grow as more people are connected to the grid.

As agriculture becomes more industrialized around the world, there is a need to utilize more sustainable methods of farming and water pumping. Pumping systems account for nearly 20% of the world's energy used by electric motors, and opportunities to reduce pumping systems' energy consumption through smart design and operating practices are significant. At the same time, solar technology has reached very affordable costs, and has become the cheapest source of energy in many countries.

Pumping Challenges

For many farmers and landowners, owning or renting diesel generators to water crops at the right time often creates a burden and added expenses. Relying on generators is inconvenient on several levels:

- They are costly to buy, refuel and maintain.
- They create air and noise pollution and pose risks to health and the environment.
- They require regular maintenance and repetitive refuelling.

A Hassle-Free, Cost Effective Solution

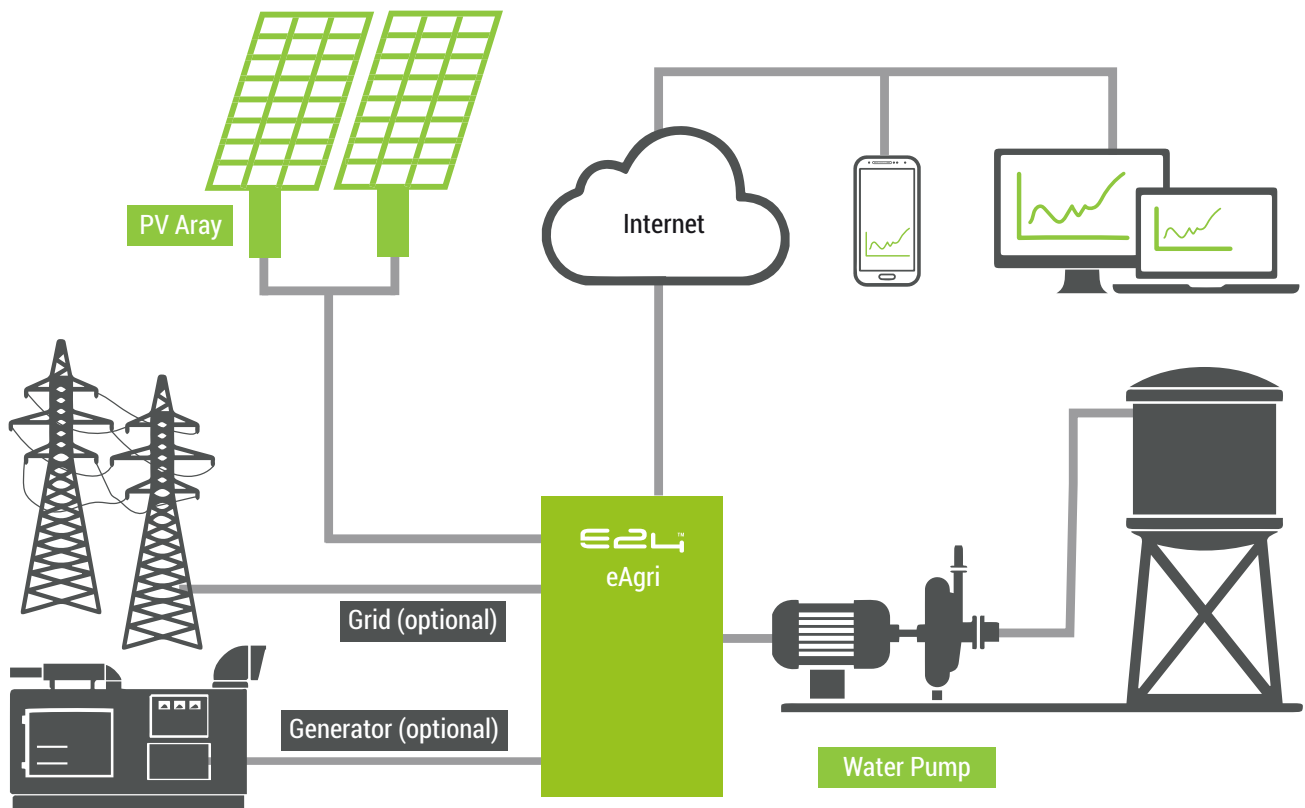
eAgri overcomes these challenges by providing a clean, affordable and convenient solution for all your water pumping needs.

eAgri eliminates the need for expensive, polluting diesel generators and the maintenance, refueling and transportation needs associated with them. Pumping water using solar energy is ideal, cost effective and reliable. eAgri ensures that water is pumped from the earliest hours of sunlight and stored in a water tank to be used at any time.

eAgri is a safe, low maintenance investment that can be deployed in any remote location, while improving farming efficiency and substantially reducing costs.



eAgri: A New Concept



Solar Power Driven

eAgri is fully powered by solar energy, making it the ideal solution for agricultural applications. It provides clean renewable power without any maintenance or refueling costs, and is ideal for remote, agricultural fields. Sunny days mean more power is available for pumping, coinciding with days where more irrigation is required.

Reliable, Efficient Pumping

eAgri provides seamless power through a variable frequency drive (VFD) to keep water pumps running as long as sunlight is available. The VFD allows the pump to operate at variable speeds directly from DC power, increasing pump efficiency and eliminating losses due to power conversion. Pumping speed increases as the intensity of solar energy increases, and pumped water can be stored in a gravity tank to be used at any time.

Versatile Applications

eAgri can easily be connected to the grid or auxiliary generators in the case solar energy is not available. Additionally, an optional add-on allows eAgri to supply solar energy to power other applications when pumping is not required. This allows you to make the most of your eAgri system, reducing energy bills further, and utilizing available solar energy to its full potential.

Advanced Monitoring

Apart from monitoring the performance of the system and power generated, eAgri's cloud monitoring tools give you complete control over your energy use, with the ability to monitor water levels.

eAgri Benefits

eAgri's demonstrated benefits make it the ideal all in one solution for your water pumping needs, allowing you to save money while facilitating productivity in the process:



Reliable Pumping

eAgri provides seamless power through a variable frequency drive to keep water pumps running as long as sunlight is available.

No Maintenance, No Hassle

eAgri overcomes the hassle of having a diesel generator that requires constant maintenance, refuelling and movement, often in remote difficult locations. eAgri seamlessly powers water pumps as long as solar irradiation is available, requiring virtually no attendance or maintenance.

Calm and Clean

eAgri allows you to avoid the use of noisy, polluting diesel generators that release harmful gases.

Substantial Cost Savings

eAgri is a cost-effective, with no cost of operation compared to diesel generators and a long lifetime.

Reliable and Efficient

eAgri's variable frequency drive allows the pump to operate even at low speeds and low power, making the most of available solar energy at any time, and increasing pump efficiency.

Adaptable and Compatible

eAgri is configured to easily allow pumping using electricity from the grid or auxiliary generators in the case solar energy is not available.

Eco-friendly Image and Values

Choosing solar energy demonstrates a commitment to lowering carbon emissions and curbing climate change. eAgri improves your image, sending a message of environmental responsibility.

Plug and Play

E24 technology is supplied in prepackaged kits, allowing hassle-free, systematic assembly without external components.

Health Comes First

Diesel generators pose dangers to health, wellbeing and the environment:

- Toxic gases have a direct effect on the respiratory system, posing a variety of diseases
- Fine particle pollution contributes to asthma, emphysema, chronic heart and lung disease
- Risk of contamination of groundwater through leaks
- Exposure to diesel exhaust poses high risks of cancer
- Engine produces irritating audible noise and smells



Enhanced Productivity

There are multiple operational advantages that eAgri has over diesel generators

Generator

- High operational cost
- Air & noise pollution
- Continuous maintenance
- Minimum 30% load
- Bulky (fuel tank & exhaust required)
- Continuous refuelling
- Narrow temperature operation (duration)

eAgri

- Low operational cost
- Silent and non-polluting
- No maintenance
- Reliable
- Can be installed anywhere
- Long lifetime
- Wide temperature operation



How Does eAgri Reduce Your Costs?

- eAgri overcomes the need for expensive diesel generators for water pumping, eliminating generator maintenance and refueling.
- eAgri relies on solar energy to cover all water pumping needs, supplying free, clean energy for decades.
- eAgri requires virtually no maintenance.
- The versatility and added benefits of eAgri hybrid allow the PV panels to supply energy to other applications (such as storage solutions, feeding back to the grid, or straight to a load), when water pumping is not required, making the most out of your investment (see reseller for more details).

E24 Quality Pledge



E24 is the result of 30 years' experience in the field of energy generation, conversion and storage technology. E24 engineers the most durable, efficient and reliable energy solutions on the market tailored for the most demanding applications and locations around the world.

E24 designs, engineers, manufactures, assembles, tests and delivers its solutions in modular components that are easy and cost-effective to assemble on site.

E24 commissions its solutions through a network of affiliates or business partners under strict quality standards and procedures to ensure the highest optimal performance and customers' satisfaction.

E24 continuously invests in R&D and develops its own proprietary technology. Each part of the energy solution supplied is optimized to bring the highest customer value.

All solutions are designed for quick and hassle-free capital recovery and high return on investment.

E24 Comprehensive Services

Our turnkey approach is what sets us apart. In addition to our complete solutions, we offer a variety of services, allowing you to make the most of your investment:

- **Site Assessment Visits**
- **Energy Saving Analyses**
- **Feasibility Studies**
- **Structural Designs**
- **Multi-Level Training Programs**
- **Commissioning Services**
- **Financing Services**

E24 works closely with its clients to look at all aspects of their energy-related costs and performance, identifying opportunities for improvement and potential to lower overall costs.

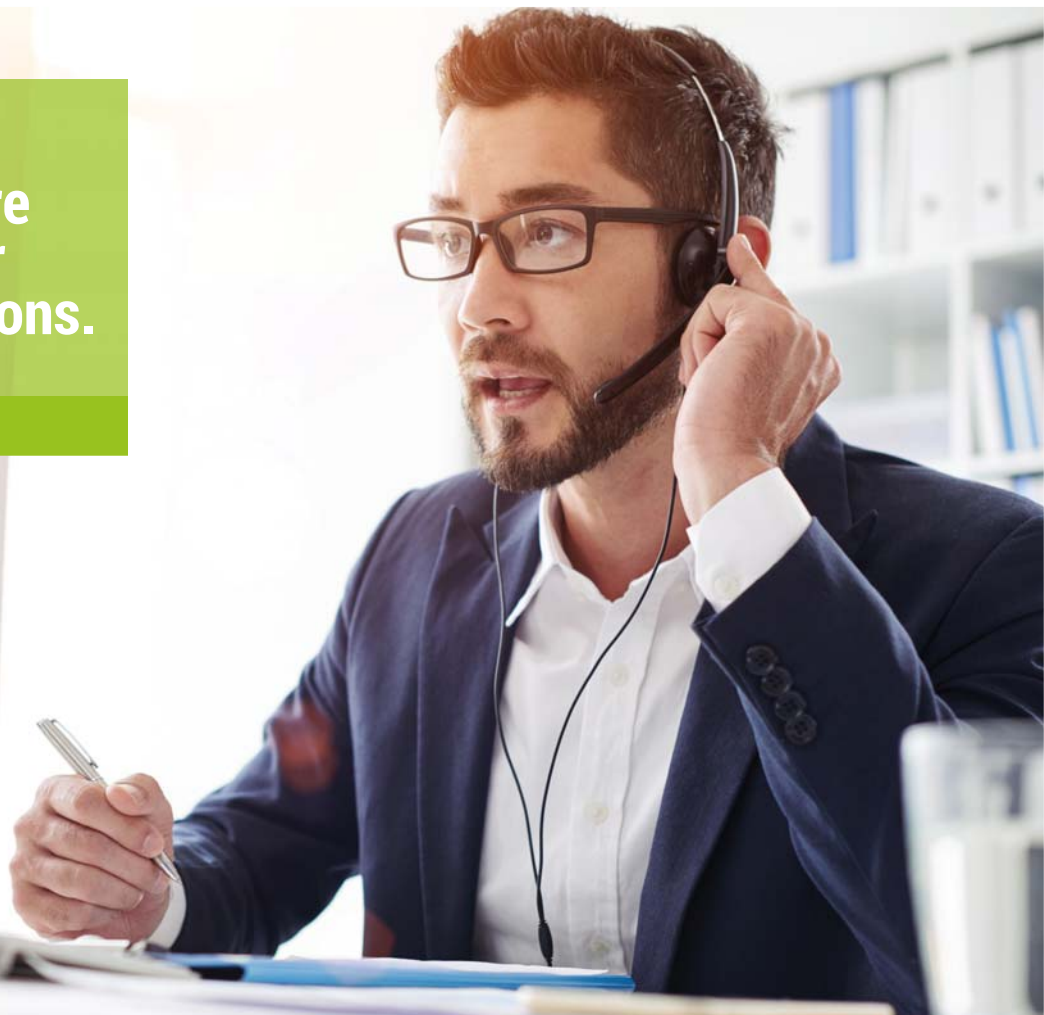
E24 also offers a number of financing services allowing customers to pay for their equipment gradually and partially finance their investments from the savings they generate.

With support centers, regional offices, and knowledgeable personnel, E24 brings an uncompromising commitment to customer satisfaction. Our after sales services include:

- **Warranty Extension Programs**
- **Comprehensive Maintenance Programs**
- **Field Service**
- **Overhaul & Refurbishments**
- **E24 certified parts**

Our services are provided by engineers operating from E24 regional offices, allowing customers to benefit from accurate data based on relevant local field experience.

**Our Energy
Consultants are
here to answer
all your questions.**



Energy Storage Solutions



eHome



eVilla



eBuilding



eBusiness



eGrid



eVillage



eTelecom



eGrid

Energy Generation Solutions



eSolar



eHybrid



eParking



eAgri

Complete Solutions

E24's broad portfolio of successfully completed projects ranges across a variety of sectors including Residential, Commercial, Industrial, Telecom and Governmental. We have built our reputation on our client focus and versatility to solve their problems. Our tailored solutions that place the lifestyle and needs of customers at their core. E24 leverages technology as a problem solver and enabler. It is in this spirit that E24 develops targeted, personalized, seamless energy solutions for homes, villas, businesses, buildings, factories, villages, telecom and utility operators. E24 is constantly working towards enhancing the economics and lifestyle of its customers while saving on the planet.

Ordering Information

Ref. Number	Description
S130-1P-1K7I	Solar Pumping Solution, eAgri Series, Single Phase Pumps, 220V, 50/60Hz, 1.7KWp
S130-1P-2K8I	Solar Pumping Solution, eAgri Series, Single Phase Pumps, 220V, 50/60Hz, 2.8KWp
S130-1P-5K0I	Solar Pumping Solution, eAgri Series, Single Phase Pumps, 220V, 50/60Hz, 5KWp
S130-1P-8K4I	Solar Pumping Solution, eAgri Series, Single Phase Pumps, 220V, 50/60Hz, 8.4KWp
S130-1P-13KI	Solar Pumping Solution, eAgri Series, Single Phase Pumps, 220V, 50/60Hz, 13.4KWp
S130-3P-5K0I	Solar Pumping Solution, eAgri Series, Three Phase Pumps, 380/220V, 50/60Hz, 5KWp
S130-3P-9K0I	Solar Pumping Solution, eAgri Series, Three Phase Pumps, 380/220V, 50/60Hz, 9KWp
S130-3P-13KI	Solar Pumping Solution, eAgri Series, Three Phase Pumps, 380/220V, 50/60Hz, 13KWp
S130-3P-18KI	Solar Pumping Solution, eAgri Series, Three Phase Pumps, 380/220V, 50/60Hz, 18KWp
S130-3P-26KI	Solar Pumping Solution, eAgri Series, Three Phase Pumps, 380/220V, 50/60Hz, 26KWp
S130-3P-36KI	Solar Pumping Solution, eAgri Series, Three Phase Pumps, 380/220V, 50/60Hz, 36KWp
S130-3P-51KI	Solar Pumping Solution, eAgri Series, Three Phase Pumps, 380/220V, 50/60Hz, 51KWp
S130-3P-67KI	Solar Pumping Solution, eAgri Series, Three Phase Pumps, 380/220V, 50/60Hz, 67KWp
S130-3P-92KI	Solar Pumping Solution, eAgri Series, Three Phase Pumps, 380/220V, 50/60Hz, 92KWp
S130-3P-113KI	Solar Pumping Solution, eAgri Series, Three Phase Pumps, 380/220V, 50/60Hz, 113KWp
S130-3P-133KI	Solar Pumping Solution, eAgri Series, Three Phase Pumps, 380/220V, 50/60Hz, 133KWp
S130-3P-164KI	Solar Pumping Solution, eAgri Series, Three Phase Pumps, 380/220V, 50/60Hz, 164KWp
S130-3P-195KI	Solar Pumping Solution, eAgri Series, Three Phase Pumps, 380/220V, 50/60Hz, 195KWp





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