WorldWater & Solar Technologies... Tomorrow's Technology Today

• Solar Drives for Pumps & Motors • Solar Electrical Systems • Water Engineering

Company Profile

WorldWater & Solar Technologies Corp., founded in 1984, is a full-service, international solar electric engineering and water management firm specializing in patented, high-powered solar technology that provides solutions to a broad spectrum of the world's power and water supply problems. The company designs, engineers, installs, and operates distributed solar electric systems that not only reduce or eliminate traditional utility costs, but can also ***directly power pumps and motors up to 1,000 hp****—a feature unique to WW&ST's proprietary technology. Other benefits singular to the Company's technology include a grid-disconnect feature that enables the supply of solar-generated back-up power in the event of a grid failure, as well as a switching ability that allows system owners to power loads from solar alone, the grid alone, or as a seamless blend of both. WW&ST can also provide turn-key systems for locations without access to the grid.*

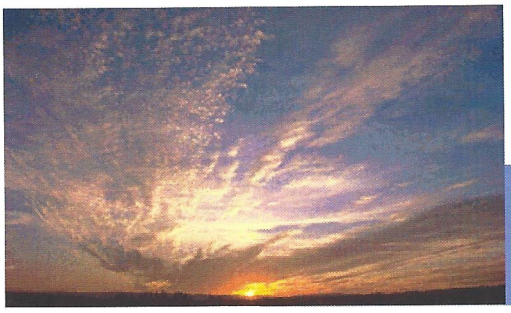
WorldWater & Solar Technologies has developed proprietary products for solar-driven water pumping, solar-generated electricity (net metering) and remote power systems. Because the AquaMax™ solar-powered pumping system uses a unique, patented method of control to drive globally available off-the-shelf, standard 3-phase AC motors from universally abundant sunlight, the Company has installations in over 20 countries. WW&ST solar pumping systems are cost-effective, non-polluting, require minimal maintenance, and have proven reliability in the field.

Operations of the company include:

- *Providing solar-driven water supply up to 1,000 hp for farmers, utilities and wineries, by solar alone or in combination with other power sources.*
- *Providing solar power to fully operate large refrigeration systems for industrial chillers and building air conditioning units.*
- *Providing alternative power to replace diesel pumps.*
- *Providing water management and solar energy consulting services to domestic and foreign governments, utilities, international agencies and private businesses.*
- *Providing engineering, design, construction and operation management services for solar electric and water system projects worldwide, including: electrification for isolated villages, farms and households; source development; water pumping, purification and filtration systems; desalination; solar electric systems for residential, commercial, industrial and agricultural purposes; and wastewater treatment and recycling applications.*

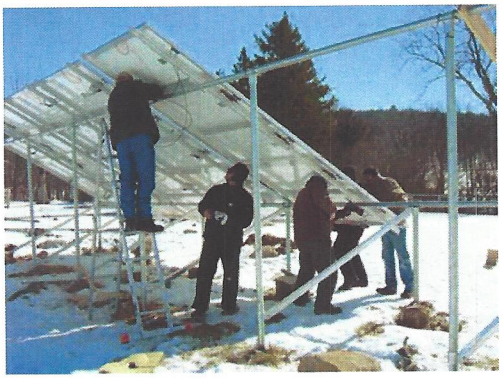
WorldWater & Solar Technologies Corp.
Stock Symbol WWAT (OTC BB)

Tomorrow's Technology Today



WorldWater & Solar Technologies Corp.™

Tomorrow's Technology Today

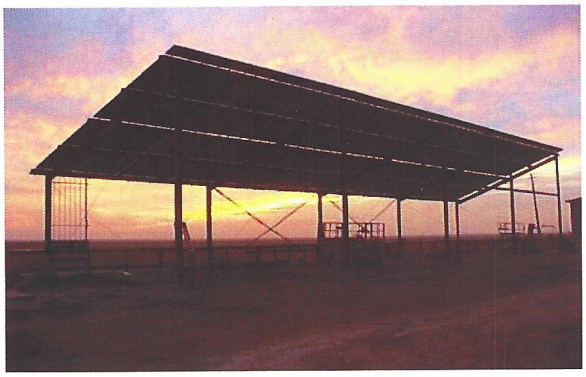


Solar Energy Design Services:
The WorldWater & Solar Technologies Advantage

WorldWater & Solar Technologies Corp. has been a leader in the design, engineering and delivery of high value solar energy systems for over 20 years. Our team of engineers and technical experts have experience designing and constructing solar energy systems that currently deliver power worldwide. The technical staff at WorldWater is unrivaled in its ability to design and install turn-key solar energy systems that are efficient, cost-effective and reliable.

WorldWater's significant experience delivering large-scale solar energy systems to the world gives the Company a unique ability to appreciate all aspects of the design process. WorldWater engineers analyze the performance of past systems to optimize the design of each new project undertaken. The engineering team works collaboratively to identify client needs and integrate the best components for each aspect of the system; efficiency, durability, cost and aesthetics drive every phase of the project.

WorldWater's proprietary design allows the electricity from solar energy to be utilized in such a way as to actually improve the efficiency of the system being powered. *No other firm* matches this performance specification. Additionally, this technology allows solar energy to power building functions even in the event of a power failure. *No other firm* has been able to design to this standard without adding batteries or other expensive options. And, unlike its competitors' designs, WorldWater's engineered solutions maximize solar output while enhancing the efficiency and reliability of functions within the building — saving the client even more money. **This is the WorldWater advantage.**



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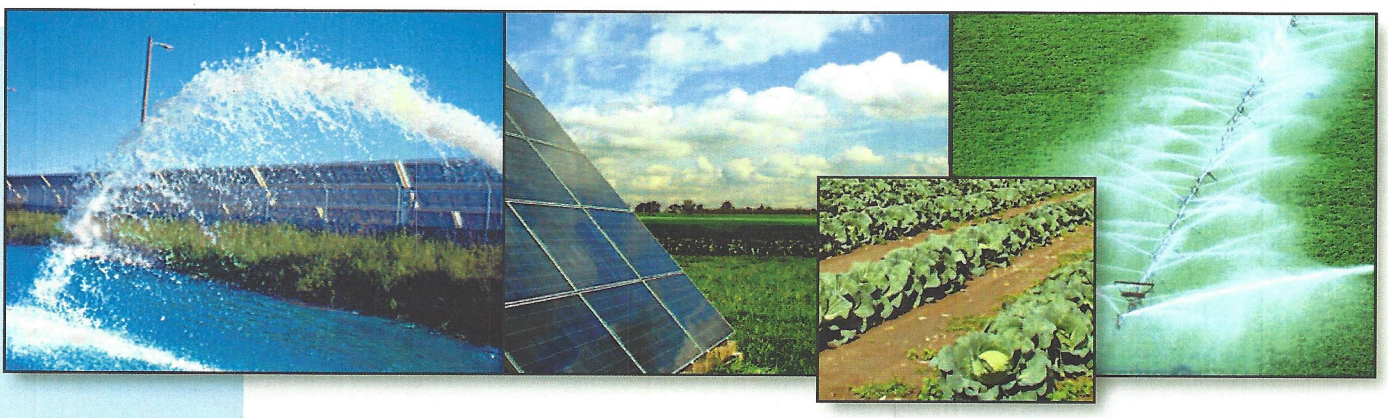
WORLDWATER™ & SOLAR TECHNOLOGIES CORPORATION

Solar Drives for Pumps & Motors
Solar Electrical Systems
Water Engineering

AQUAMAX™

High Yield Solar Pumping Systems



Powering Pumps up to 1,000 HP

AquaMax™ High Yield Irrigation Systems Work in Combination with Existing Grid/Diesel Pumps

WorldWater & Solar Technologies Corp. brings its unique worldwide solar pumping expertise to farms, ranches, dairies and public water authorities who are currently using large scale pumps powered by utility or diesel power. By utilizing proprietary WorldWater solar pumping technology, existing pumps up to 1,000 HP can also be powered by WorldWater & Solar Technologies' solar systems, bringing large savings on electric bill and fuel costs. Because AquaMax™ solar power takes over to run your existing pumps during on-peak hours when electricity rates are highest, you will avoid paying these high rates. Additionally, the rebates, tax credits and depreciation allowances available in many states make WorldWater & Solar Technologies' solar pumping systems cost effective compared to the high cost of electricity and fuel.

WorldWater & Solar Technologies' AquaMax™ proprietary solar systems operate unattended, turning on and off automatically every day for irrigating fields or pumping water for livestock. They are reliable and hassle-free with no need for regular maintenance, no noise, and do not pollute.

- All operations are completely automatic
- WorldWater & Solar Technologies can guarantee that you will not buy power during sunny peak periods
- During blackout periods solar power will supply electricity necessary to continue to run your pumps
- On a cloudy day grid power will supplement solar power
- Savings in electricity bills will pay off the cost of the solar system — after that electricity from solar is free
- Warranty for 25 years and on-going maintenance support

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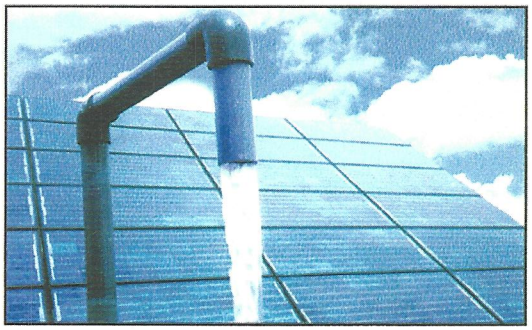
WORLDWATER® CORPORATION

AQUASYS™

SOLAR PUMPING SYSTEMS

AquaSys™ High Yield Irrigation Pumps

AquaSys™ high yield irrigation pumps take WorldWater's AquaSafe™ remote water pumping systems to new levels. For the first time, large amounts of water for irrigation using pumps of 10 to 50HP and up, can be powered with solar energy - anywhere there is sun. That means irrigating fields in remote areas with no fuel cost, no need to bring fuel to the site, no need for regular maintenance, no noise, no pollution. Reliable hassle-free operation in a system that will pay for itself many times over in relation to diesel generators or expensive grid line extensions.



AquaSys™ proprietary solar pumps operate unattended, turning on and off automatically every day. WorldWater's unique ability to use off-the-shelf AC pumps insures high reliability, steady performance, long-life, and easy access to replacement parts. The specially designed pump is capable of passing solids up to 3 inches and will tear and shred stringy type material.

High yield AquaSys™ pumps are available from 10 HP and up.

25 HP AquaSys™

Delivers up to 140 litres per second (37 gps)
or
8,400 litres per minute (2,220 gpm)
or
approximately 3,000 cubic metres per day (792,000 gpd).

"The mission of WorldWater is to become the leader and principal provider of renewable energy and remote water supply for emerging nations throughout the world."

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- Solar Water Pumps
- Solar Electrical Systems
- Water Management

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Powered by the sun and WorldWater technology

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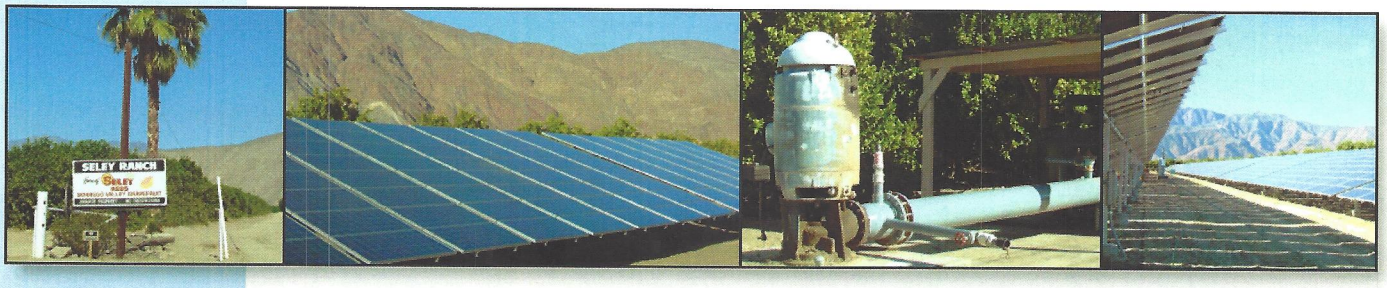
WORLDWATER™ & SOLAR TECHNOLOGIES CORPORATION

Solar Drives for Pumps & Motors
Solar Electrical Systems
Water Engineering

SOLARPUMPING

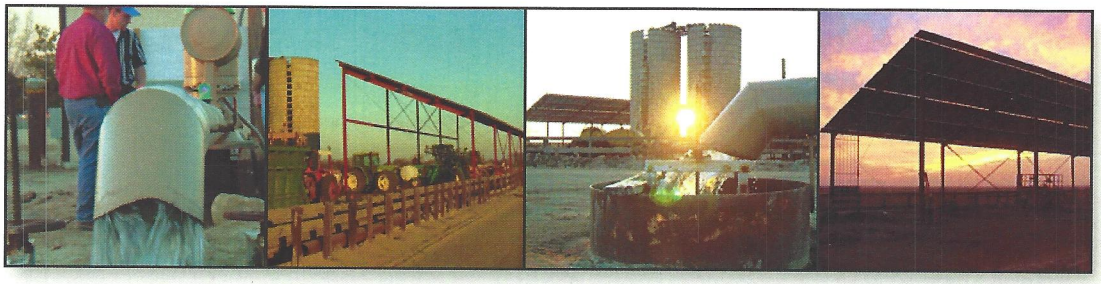
Commercial Solar Pumping Systems at Seley Ranches and Locke Farm



WorldWater & Power Installs World's Largest Solar-Driven Pumping System

267 Kilowatt AquaMax™ System Drives 200 Horsepower Pump for CA Citrus Ranch

Nestled between the Santa Rosa and Palomar Mountains in San Diego County lies Seley Ranch— a premium grower of citrus fruit, known for its trademark "Seley Red" grapefruit. In September 2004, WorldWater & Solar Technologies completed the installation of a 267 kilowatt AquaMax™ system which drives a 200 horsepower pump—making this the largest solar-powered irrigation system in the world!



WorldWater & Solar Technologies Keeps Cotton Ranch Running

Pumping Continues Despite Grid Failure

The Locke family runs a cotton operation in the fertile San Joaquin Valley. WorldWater installed its patented AquaMax™ system, supplying power to drive a 50 HP irrigation pump as well as a 10 HP well pump. The grid-tied solar system also supplies electricity for the main residence and farm shop. Completed in December 2002, the 38 kilowatt array generates an average of 179 kilowatt hours per day of electricity.

"Today the grid went down... The array was automatically redirected to the AquaMax™ and the irrigation pump ran powered strictly by the sun."

Mari Locke Martin, D.T. Locke Ranch

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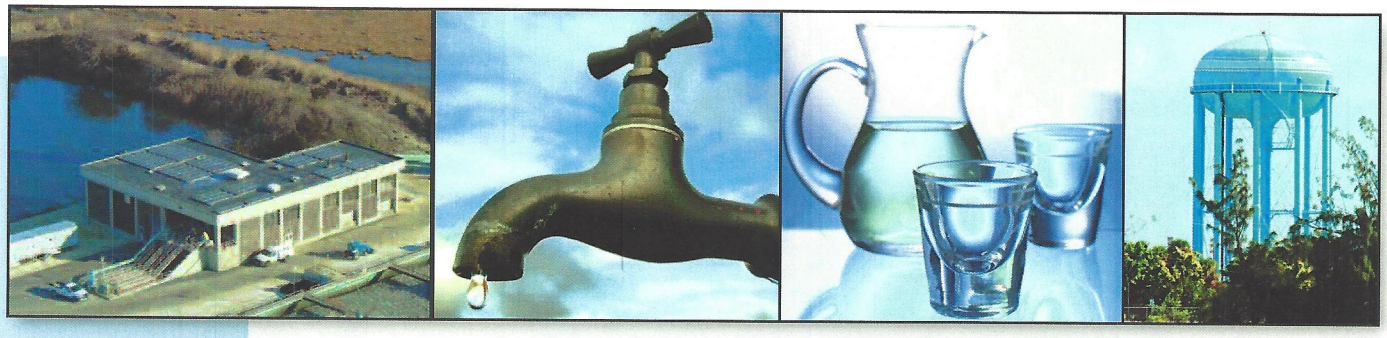
WORLDWATER & SOLAR TECHNOLOGIES CORPORATION

Solar Drives for Pumps & Motors
Solar Electrical Systems
Water Engineering

SOLAR WATER UTILITIES

World's Largest Solar Pumping Systems



WorldWater & Solar Technologies' AquaMax™ Systems Drive Pumps up to 1,000HP for Water Utilities

Reduced electric grid usage and "net metering" save operating expenses for water districts for 25 years and beyond. AquaMax™ solar systems power pumps and offer back-up power protection in the event of grid outages.

All Water Utilities Can Benefit from WW&ST's Singular Technology!

WW&ST broke the solar power barrier in 2002 with its patented AquaMax™ solar systems capable of operating 1,000 horsepower pumps and motors directly from sunlight.

AquaMax™ can operate economically from solar power alone, the electric grid alone, or in automatic combination of both solar and grid or diesel generated power, delivering significant savings on electric bills and fuel costs. Since our systems can operate pumps off of solar power alone during peak periods when utility electric rates are highest, you can avoid paying peak demand charges while still running your operations. Additionally, the rebates, tax credits, and depreciation allowances available in many states make WW&ST's solar pumping systems cost effective compared to the high, unpredictable costs of electricity and fuel.

System highlights include:

- All operations are completely automatic
- Run your pumps during peak periods without buying power from the grid
- Back-up power protection in the event of a grid outage
- Three power options—solar; grid or diesel generated power; blend of both
- Guaranteed for 25 years
- Quiet and virtually maintenance free
- 100% emissions-free, clean power

Water agencies across the country now have unprecedented technology available from WorldWater & Solar Technologies to deliver water—and savings—from sunshine!

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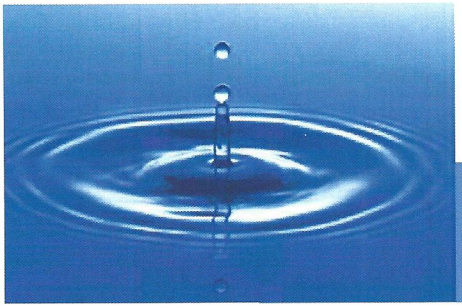
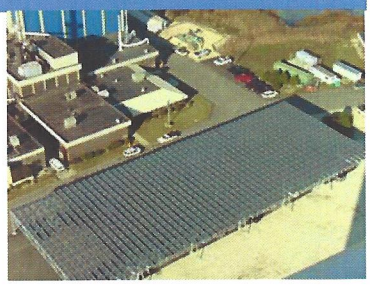
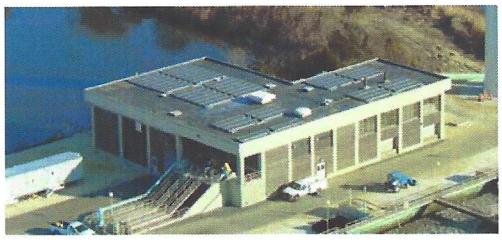


WORLDWATER & SOLAR TECHNOLOGIES CORPORATION

Tomorrow's Technology Today



Solar Energy & Water Management Solutions:
The WorldWater & Solar Technologies Advantage



Water and power. The struggle for adequate supply of each of these precious and limited resources is an on-going global dilemma, and WorldWater & Solar Technologies Corp. has dedicated the past 20 years to responding to this critical issue. WorldWater & Solar Technologies is a leader in the design, engineering and delivery of solar electric and water management systems, with installations currently operating world-wide.

WorldWater & Solar Technologies' patented AquaMax™ technology takes solar energy to a whole new level that no one else in the industry can replicate:

- The ability to drive large-scale pumps and motors directly from solar power— all the way up to 1,000 horsepower.
- A grid-disconnect feature which enables the solar array to continue operating in the event of an electrical grid failure, providing systems back-up power.
- A switching ability that offers freedom of choice in powering pumps and motors via solar alone, the electric grid alone, or as a seamless blend of both.

Our specialty lies in bringing water and power to the world, and we have found an environmentally responsible, cost-effective, safe, and reliable means of delivery that no other firm can match.

This is the WorldWater & Solar Technologies advantage.

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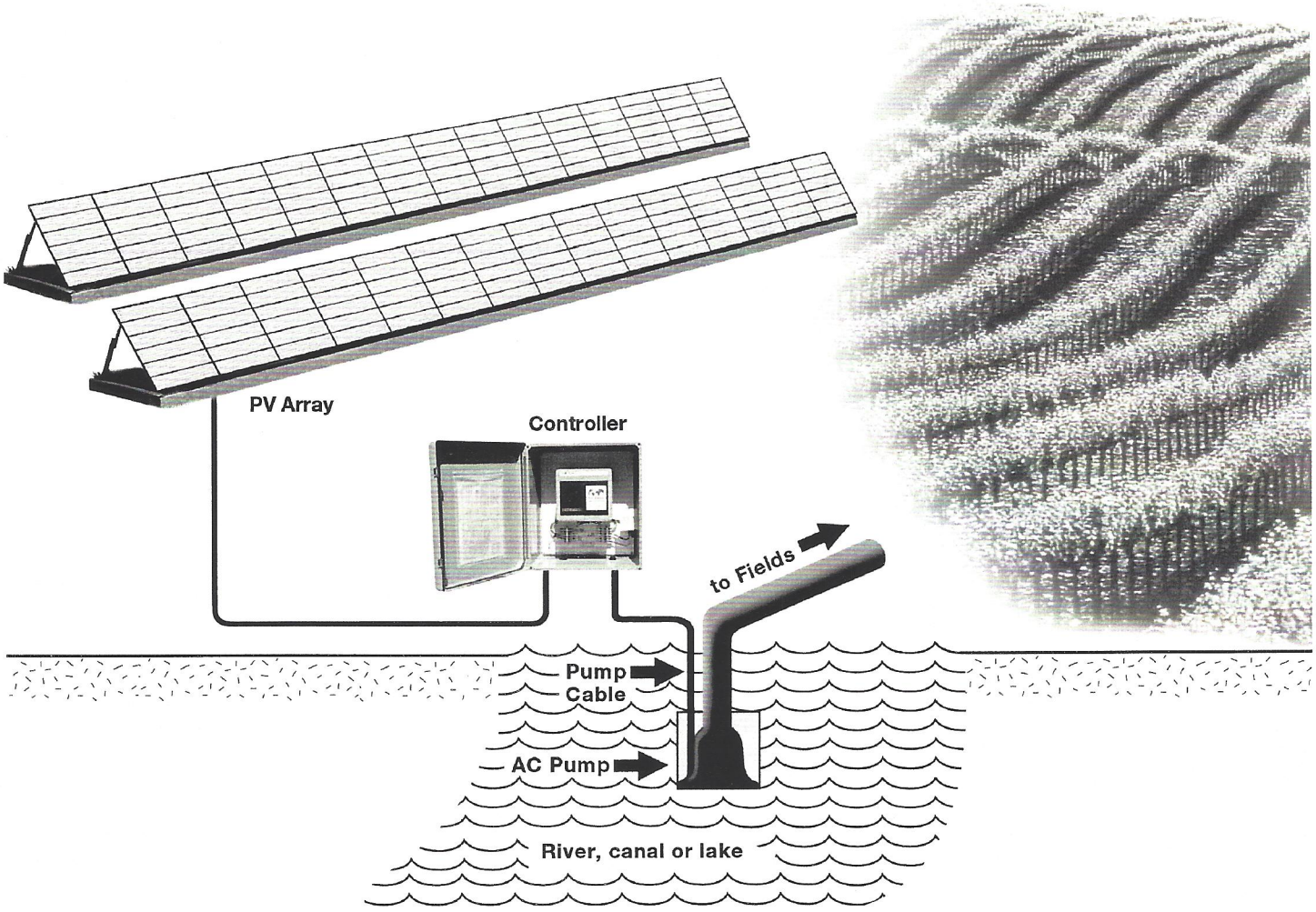
AquaSys™ High Yield Solar Irrigation Pumps



AquaSys™ Specifications

PV Array

- Mono or polycrystalline silicon type or similar–8kW to 40kW
- Meets or exceeds JPL Block V, CEC 503, IEC 1215, IEEE 1262 tests
- Designed for support structures with wind loading exceeding 125 mph including support structure
- Impact test at terminal velocity (52 mph) for one-inch hail stones
- Nominal operating voltage of 720 Vdc
- Lighting protection
- Module interconnects included
- Stainless steel hardware

AC Pumps

- 10-50 Horsepower
- 460 V, 50 or 60 Hz, three-phase AC induction motor
- Water temperature up to 40° C
- Rugged industrial/agricultural construction
- Designed and tested for variable frequency and speed operation
- Capable of passing solids up to 7.62 cm (3 inches)
- Cast iron housing and impeller with steel water jacket
- Jacket cooling system with continuous circulation
- Automatic sealing and temperature monitoring
- Optimized hydraulics with high efficiencies
- 15.24 cm (6 inch) discharge

Controller (patent pending)

DC Input: . . . . . 750 volts DC maximum
600 volts DC minimum

AC Output: . . . . . 380 - 460 volts AC
Three-phase DC to AC variable speed, variable frequency control
Pulse width modulated sinusoidal waveform

- Direct input to pump motor (no batteries)
- Capable of running standard 460 Volt, three phase induction motors
- High efficiency of 97% - 98%
- Microprocessor controlled - field programmable
- Maximum power point tracking
- IGBT technology (insulated Gate Bipolar Transistor) for faster switching
- Motor overload, surge, and over temperature protection
- Automatically resets if power loss occurs
- Designed for 95% humidity and air temperatures to 45° C
- Protection against dry running, blocking, earth leakage, and short circuit
- Lightning protection

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Case Study

WorldWater Philippines: A Case Study in Innovative Resource Development

PHILIPPINES

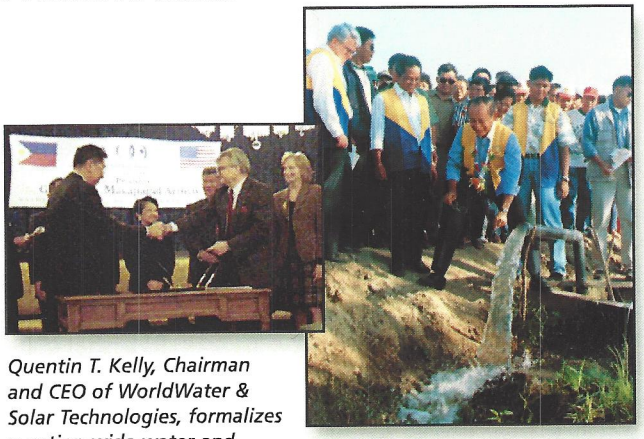
Left & center: *Cebu children collect water at an AquaMeter™ pumping station.*

Right: *Villagers examine the solar panel construction.*

The World's First Solar-Powered Pre-paid Municipal Water Supply Project

WorldWater & Solar Technologies has installed the world's first solar powered, pre-paid municipal water distribution system in Ronda, Cebu, the Philippines. The AquaMeter™ system allows the community to offer low-cost, clean, reliable drinking water to residents who pay for water via the AquaCard™, a debit card similar to a pre-paid phone card.

The project is a collaboration of the Municipal Government of Ronda and WorldWater (Phils.), and is financed by the Philippine National Bank. The initial investment for capital costs is recovered from revenues through the sale of water. This project financing package involved no special grants or subsidies. As such, it is a first of its kind model for creating a cost-effective, sustainable, and safe rural water supply in remote sites.



Quentin T. Kelly, Chairman and CEO of WorldWater & Solar Technologies, formalizes a nation-wide water and power development agreement as President Gloria Macapagal Arroyo looks on.

Former President Fidel V. Ramos of the Philippines (center), members of his cabinet, and Quentin T. Kelly, Chairman and CEO of WorldWater & Solar Technologies (far left), at the site of the AquaMax™ solar water pump in Luzon, the Philippines.

WORLDWATER & SOLAR TECHNOLOGIES CORPORATION

WORLDWATER™ & SOLAR TECHNOLOGIES CORPORATION

"The mission of WorldWater & Solar Technology is to be the leading provider of solar-powered motors, water pumps and electricity for people throughout the world."

MOBILE MAXPURE™

Introducing the Mobile MaxPure®

Mobile Max Pure® is a portable, solar powered pumping and water purification system. A self-contained, stand-alone unit, the Mobile Max Pure® also is equipped with a satellite based communications system and a 3KW inverter with battery bank for emergency power needs. Compact and rugged, easy to operate and maintain, the Mobile Max Pure® harnesses the power of the sun to bring water and electricity to those in need.

The Mobile Max Pure® unit is capable of purifying up to 30,000 gallons of potable water daily and can draw from both surface and well water sources. It can be powered by solar power alone or in combination with an optional back-up generator. The Mobile Max Pure® water purification system incorporates a multi-stage micro filtration process and ultraviolet light treatment to sanitize water contaminated by dirt, silt, bacteria, cysts, parasites, viruses and other pathogens. WorldWater & Solar Technology's patented technology drives the water pump and powers the UV purification system directly from the sun. A fully solar-powered and portable unit, the Mobile Max Pure® can be installed on a permanent, temporary, or semi-permanent basis – anywhere the sun shines.

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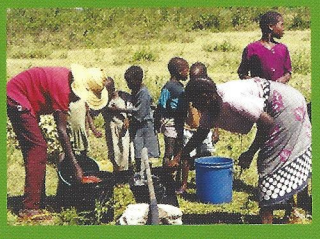

Life Saving Technology for Developing Countries

WorldWater & Solar Technologies™ Corp...The Right Idea at the Right Time

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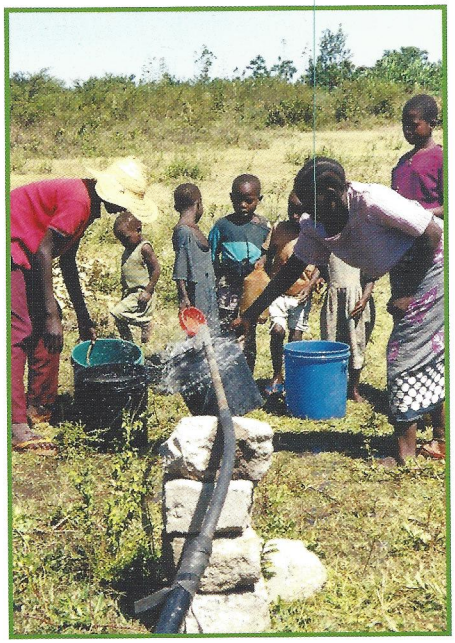
MOBILE MAXPURE™

Life Saving Technology for Developing Countries

Safe, abundant drinking water is a cornerstone for human health and progress. Unfortunately, in much of the world, people are still struggling to obtain this basic resource. Poor public sanitation and water-borne diseases limit life-expectancy and productivity around the globe. Mobile MaxPure® offers a dramatic technical solution for areas with unsafe water supplies. Clean water can be manufactured on-site even in very remote areas. No boiling or chlorination is needed after dirty water is treated by the Mobile MaxPure®. For two decades, World Water & Solar Technologies™ Corporation has had a history of involvement in developing creative water solutions for international customers. We are proud to introduce the Mobile MaxPure® as our simplest water and power solution yet!



- Approximately 1.1 billion people in developing countries do not have access to safe drinking water (UNICEF & UNESCO Joint Monitoring Program)
- Each year in India alone 73 million working days are lost to water-borne diseases (United Nations Development Program)
- The average distance that women in Africa and Asia walk to collect water is 6 kilometers (Water Supply and Sanitation Collaborative Council)

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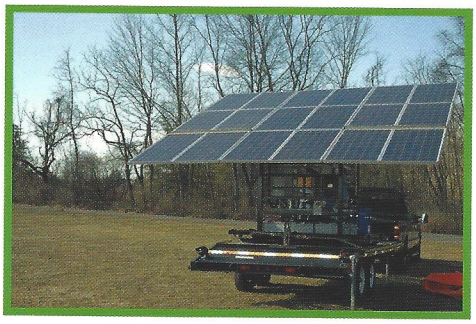
MOBILE MAXPURE™

Component Specifications



Solar Power Array

- 18 poly-crystalline silicon photovoltaic modules with a total capacity of 3100 Watts (3.1 kW)
- Tempered glass and EVA laminate construction of modules, combined with sturdy aluminum framing, allow for extended outdoor use
- Array is rated for 1 inch hailstones and hurricane force winds
- Custom designed folding mounting structure allows for quick deployment of array and compact storage when MMP is not in use
- Modules carry 25 year limited warranty on power output

Water Purification System

- Three stage purification process removes dirt, silt, sand, bacteria, pathogens, cysts and viruses
  - Stage one: media filter for removing turbidity and reduce particle size to 20 microns or less
  - Stage two: carbon cartridge filtration to further reduce particle size to 5 microns or less
  - Stage three: sterilization by ultraviolet light disrupts the DNA of target organisms rendering them inactive and benign.
- Meets local water quality requirements as well as World Healt Organization (WHO) guidelines for drinking water quality
- No chemicals added to water in standard process (chlorination unit optional)
- Flow rate 15-30 GPM
- Parallel filtration systems allow for continuous purification even during system maintenance
- Optional 5000 gallon "pillow tank" water storage containers available

AquaMax Pumping Control System (patented)

- Proprietary 3 HP Variable Frequency Drive (VFD) motor controll with MPPT controls pumping operations efficiently and automatically
- Allows for water purification/pumping from solar, grid, generator or battery power
- Advanced design incorporates "Dual-Voltage Switching Combiner" technology allows for high-voltage water pumping and low-voltage battery charging from one solar array
- 2HP submersible pump is designed for high sediment applications