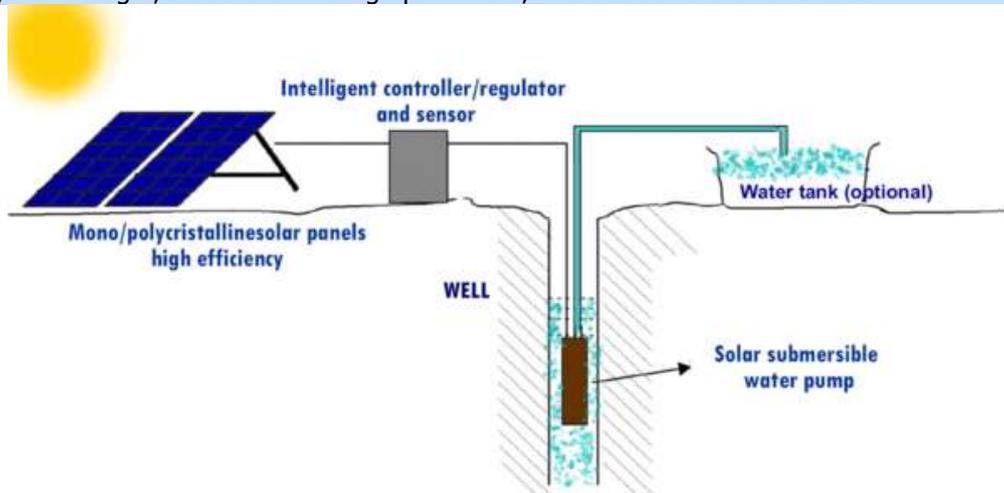




ADVANCED SOLAR WATER PUMPING SYSTEMS

We can provide solar pumping kits for getting water from surface water to over 400 Mt depth boheholes and several water flux/hour according to your needs.. Solar water pumping systems replace costly systems formed by fuel/gas generator powered water pumping systems with expensive men work, often maintenance, spare parts , transport of fuel, oil etc...With almost zero cost forever. Solar water pumping systems are sold in dozens of countries since years ago and they are THE SOLUTION for watering in remote areas, nobody having a solar watering system use again another system in any rural area, experience worldwide has proved it.

THEY ARE NOT JUST A PUMP but complete solar pumping systems, providing own free energy forever and working automatically without any additional costs, they are almost free maintenance and life span is more than 25 years. - **Our solar pumping systems include:** submersible stainless steel DC SOLAR water pump, solar power system with high efficiency solar mono/poly crystalline solar panels (in option), aluminium frame , intelligent regulators/controllers with charge, discharge, overcharge , and inverse charge protection, connexions and accessories.



BASIC SOLAR PUMPING SYSTEM DIAGRAM





COST SAVING: ATLANTS solar water pumps eliminate the costs of fuel delivery, engine maintenance, men-work pollution, granting great reliability and long life span. High resistance in front of sand and corrosion. **Since a good solar pumping system is a free maintenance, free fuel consumption during +20 years, in order to be able to compare a cost of solar pumping system in front of normal pump with generator you had to add**

Cost of normal pumping system using diesel or gas generator =
+ Cost of 2-3 generators (used during 20 years)
+cost of fuel during 20 years
+cost of maintenance during 20 years of generators and system
+Cost of transport of oil
+menwork

= REAL COST OF NORMAL PUMPING SYSTEM

SOLAR PUMPING SYSTEMS HAVE PROVEN TO BE THE MOST ECONOMIC SYSTEMS, COST OF ELECTRICITY is only a very small part of saved money USING A SOLAR PUMPING FULL SYSTEM. See below comparison table explaining why it is better to pay more for a solar pump instead, for example, a diesel or gas operated pumping system (using a generator),

Comparison of Solar and Other Remote Watering Systems

Pumping Type

Solar	Low or null maintenance No spare parts cost for long time. No fuel costs or spills Easy to install – cheap to install Simple and reliable Unattended operation – less costs for life System can be made to be mobile Life span can be more than 2 times longer than other systems
Diesel (or gas)	Needs maintenance and replacement very often Shorter life span of many parts Maintenance often inadequate, reducing life Fuel often expensive and supply intermittent Noise, dirt and fume problem Often site visits necessary increasing men-work

The key to solar success is the low labor and maintenance costs relative to the other options. The long-term economics make PV pumps superior to most other remote watering options.

One study completed by the Bureau of Land Management at Battle Mountain, Nevada compared solar water pumping systems to generator systems. For one 3.8 gpm system with a 275 foot design head, **the solar watering system cost only 64% as much over 20 years** as the generator system did over only 10 years. This remote solar site also used only 14% as many labor hours. A Sandia National Laboratories study noted that photovoltaic pumping systems in remote locations would often be cost-effective compared to generators, even with five times the initial capital cost. Low-end diesel/gas generators, which are initially inexpensive, require consistent maintenance and have a design life of approximately 1,500 hours. Small- to medium-sized solar pumping systems often cost less initially than a durable slow speed engine-driven generator

Our solar pumping systems are a complete system full system, engineered for the lift and daily volume, deep well pumping and livestock watering. **Usage: drinking water supply, home water supply, water supply for animals, small solar drip system, solar thermal installation, water supply for showers. It works automatically anywhere and permits to get water without workman requirements, easy and fast. . They solves the problem of agriculture irrigation, people's and livestock's water supply , water supply for cabins , remote houses and frontier defence entry water supply in the region where there is no water and no electricity.**



1. Water is needed anywhere, but sometimes no reliable AC power is available.
2. An ideal combination of water and sun that preserves the environment, saves energy and reduces physical effort
3. This is ideal for stock watering and irrigation. Water is pumped even on hazy days.
4. Very efficient, can get up water from +400 Mt depth
5. Automatic operation for years - no maintenance is required.
6. Special construction allows dry operation for hours
7. Models which tolerate mild sediment in the water supply ---- can be used in rivers and streams.
8. Low borehole drilling costs. We have models from a diameter of 3" and also surface installation
9. Robust and reliable: brass and stainless steel construction.

These products can automatically work at sunrise and stop at sunset without manpower. They are a high-technology green product with credibility and environment-friendly. Our system is easy to install, PV pumping system can be connected to existing wells and puTmps or installed quickly in new well. The technology is very easy for most wells and much deeper well to apply. Our solar products are highly efficient and low consumption. They are charged during the day by sun thanks to the solar panel included in each lamp. They are **100% ECOLOGICAL**, reduce pollution and climate changes, saving energy and offering long **life span of more than 25 years**



ROHS COMPLIANT
CE
ISO9001