

BOMBAS DE AGUA A ENERGIA SOLAR SERIE 8000 , HÍPER EFICIENCIA
100% ACERO INOXIDABLE
Hasta 110 m³ agua/hora y hasta 295 m altura manométrica (967 pies)

1. Algunas ventajas de la SERIE ATLANTS 8000 BOMBAS SOLARES DE AGUA: Sistema de lubricación del motor por agua , así no hay ningún peligro de contaminación del agua por aceite o grasa. También podemos suministrarlas lubricadas con aceite .
2. Controlador + motor han sido diseñados para complementar el uno al otro para aumentar su eficacia hasta el 90%, un 25 % más eficiente que las bombas de corriente alterna tradicionales.
3. Seguridad: Un juego de sensores cierra la bomba si el nivel de abastecimiento de agua se hace demasiado bajo para impedir a la bomba funcionar en seco , volviéndose a poner en funcionamiento cuanto el nivel de agua vuelva al mínimo funcional y un sensor indicador de nivel de agua en el tanque automáticamente enciende la bomba .
4. También dispone de encendido retardado para proteger al sistema y alargar su vida útil.
5. Además el controlador Atlantis ofrece numerosas opciones para ofrecer la máxima seguridad de funcionamiento como protección de voltaje, protección de sobrecarga, protección sobrecorriente etc.
6. Controlador de velocidad para regular la velocidad de motor
7. Encendido suave para proteger el motor de puntos de corriente .
8. La amplia gama de modelos permite bombear hasta 110 m³ / agua por hora y hasta 295 m (967 pies.)
9. Construcción en acero inoxidable especial para una vida útil más larga y más eficiente en cualquier
10. Bombas desde 0.5Kw a 3Kw - voltajes DC36V - 300V el
11. Motor sin cepillo de corriente continua, especialmente diseñado para su uso a energía solar con la máxima eficiencia





La gama Atlants 8000 es una solución completa y ecológica para el suministro de agua. Las bombas solares ATLANTS incorporan un motor de imanes permanentes que permite utilizar de manera eficiente la energía solar. Este sistema de bombeo constituye una solución idónea para el suministro de agua en zonas de difícil acceso en las que esta escasea y el suministro eléctrico es inexistente o poco fiable.

Los paneles solares de las bombas ATLANTS permiten a estas adaptarse a las condiciones climáticas existentes en cualquier lugar. La energía generada sobrante puede almacenarse en un sistema de baterías de reserva opcionalmente para poder utilizarla , si es necesario, cuando la energía solar no está disponible como por la noche

Las bombas SOLARES ATLANTS son mucho más que simples bombas: son soluciones de diseño inteligentes e integrales. Gracias a su avanzada tecnología y alta eficiencia pueden ser usadas directamente con la energía solar sin que sea necesario utilizar un inversor.

El conjunto de la gama se compone de bombas de varios tamaños diferentes: con rotores y centrífugas para aplicaciones en las que sea necesario disponer de caudales altos

Numerosos usos y aplicaciones:

Pueblos, escuelas, hospitales y pequeñas viviendas.
Granjas e irrigación de invernaderos.
Parques de ocio y granjas escuelas.
Parques naturales.
Para abrevar ganado, riego por goteo, campamentos rurales...
Sistemas solares térmicos

Características y ventajas

Uso de energía renovable solar, limpia, disponible y gratuita
Sistema versátil y fácil instalación.
Suministro fiable de agua.
Sin mano de obra
Amplia gama
Bajos costes de funcionamiento.
Protección contra marcha en seco.



DC 4" BOMBAS CENTRIFUGAS Y HELICOIDALES

CARACTERISTICAS

BOMBAS DE AGUA SUMERGIBLES SOLARES HIPER EFICIENTES						
VOLTAJE MOTOR		POTENCIA MOTOR	POTENCIA GENERADOR	MAX	MAX H	
DC	REF	VATIOS	SOLAR vatios	M3/H	Metros	Salida
BOMBA SOLAR 4" 100% EN ACERO INOXIDABLE DE LARGA DURACION Y RESISTENCIA						
36	ATL-8000BS2-4	500	660	4,5	50	1.25"
72	ATL-8000BS2-7	700	920	5	75	1.25"
110	ATL-8000BS2-15	1100	1440	5	106	1.25"
150	ATL-8000BS2-18	1500	1920	5,5	145	1.25"
220	ATL-8000BS2-24	2200	2860	6	183	1.25"
300	ATL-8000BS2-28	3000	3900	7	260	1.25"
36	ATL-8000BS3-2	500	660	5	35	1.25"
72	ATL-8000BS3-5	700	920	5,3	54	1.25"
110	ATL-8000BS3-12	1100	1440	5,5	100	1.25"
150	ATL-8000BS3-13	1500	1920	6	123	1.25"
220	ATL-8000BS3-18	2200	2860	6,5	144	1.25"
300	ATL-8000BS3-22	3000	3900	6,8	175	1.25"
72	ATL-8000BS5-3	700	920	9	32	1.5"
110	ATL-8000BS5-7	1100	1440	9,5	75	1.5"
150	ATL-8000BS5-10	1500	1920	10	102	1.5"
220	ATL-8000BS5-14	2200	2860	10,5	128	1.5"
300	ATL-8000BS5-18	3000	3900	10,5	158	1.5"
72	ATL-8000BS8-2	700	920	11	30	2"
110	ATL-8000BS8-4	1100	1440	11,5	45	2"
150	ATL-8000BS8-6	1500	1920	12	57	2"
220	ATL-8000BS8-10	2200	2860	12,3	87	2"
300	ATL-8000BS8-12	3000	3900	12,5	105	2"
110	ATL-8000BS14-2	1100	1440	19	24	2"
150	ATL-8000BS14-3	1500	1920	20	33	2"
220	ATL-8000BS14-5	2200	2860	21	51	2"
300	ATL-8000BS14-6	3000	3900	22	62	2"
300	ATL-8000BS2-26	3000	3900	8	295	1,25"/2"
BOMBA SOLAR 6" 100% EN ACERO INOXIDABLE DE LARGA DURACION Y RESISTENCIA						
220	ATL-8000BS17-2	2200	2860	26	36	3"/4"
300	ATL-8000BS17-3	3000	3900	28	48	3"/4"
220	ATL-8000BS30-1	2200	2860	50	18	3"/4"
300	ATL-8000BS30-2	3000	3900	52	32	3"/4"
300	ATL-8000BS46-1	3000	3900	90	20	3"/4"
300	ATL-8000BS60-1	3000	3900	110	18	3"/4"



Water is essential for life, good health and economic development -yet more than one billion people lack access to clean water. Each year, millions are embroiled in conflicts over its scarce availability.



Transformation



Water is Life. Since the birth of civilization, people have moved and settled close to water, moved when there is too little of water, journey down water, write, sing and dance about water. Today millions are without water, a basic human right. Lack of water promotes misery, famine, poverty, thirst and reliance on others. No water, no future, certain death.

Power



Our systems transform energy of the sun. This energy generates power to run the ATLANTS pumping systems automatically, without efforts. They can provide water in multiple quantities, portability, flexibility, and self-reliance to the most remote areas of the globe. There is no limit to the power of the sun.

Independence



People need water, for drinking, cooking, washing, food, industry, transport, energy, music, fun, for life, and it is not only we humans who need it, all life is relies, and is dependent on water to survive. We cannot survive without water. ATLANTS makes it possible towards obtaining self-reliance and independence. Water is a basic human right.

Hope



Hope, is a short word, but with HUGE meaning. People live in hope, but in reality they live in despair. Access to water, daily is the difference between life or death, hope or hopelessness.



Fact: almost a third of the world population does not have easy access to water drinking on a daily basis

We can help to solve de problem

Solar pump makes use of the solar energy to pump, clean, no pollution, simple and convenient. It solves the problem of agriculture irrigation, people and livestock's water supply and frontier defense sentry water supply in the region where there is no water and no electricity. This product can automatically work at sunrise and stop at sunset without manpower. It is a high-technology green product with credibility and environment-protected. And systems are easy to install, PV pumping system can be connected to existing wells and pumps or installed quickly in new well. The technology is very easy for most wells and much deeper well to apply.

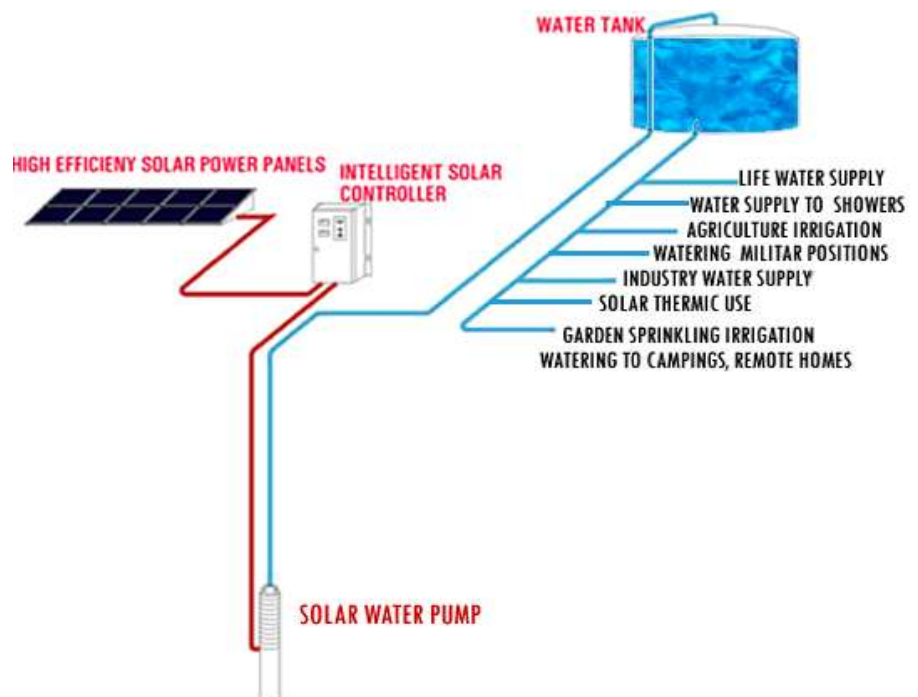
INTRODUCTION

Features and benefits

- Dry-running protection
- High efficiency
- Overvoltage and undervoltage protection
- Overload protection
- Overtemperature protection
- Maximum Power Point Tracking (MPPT) in option
- Wide voltage range
- Reliability

Application

1. Drinking water supply
2. Livestock watering
3. Pond management
4. Irrigation
5. Fountains

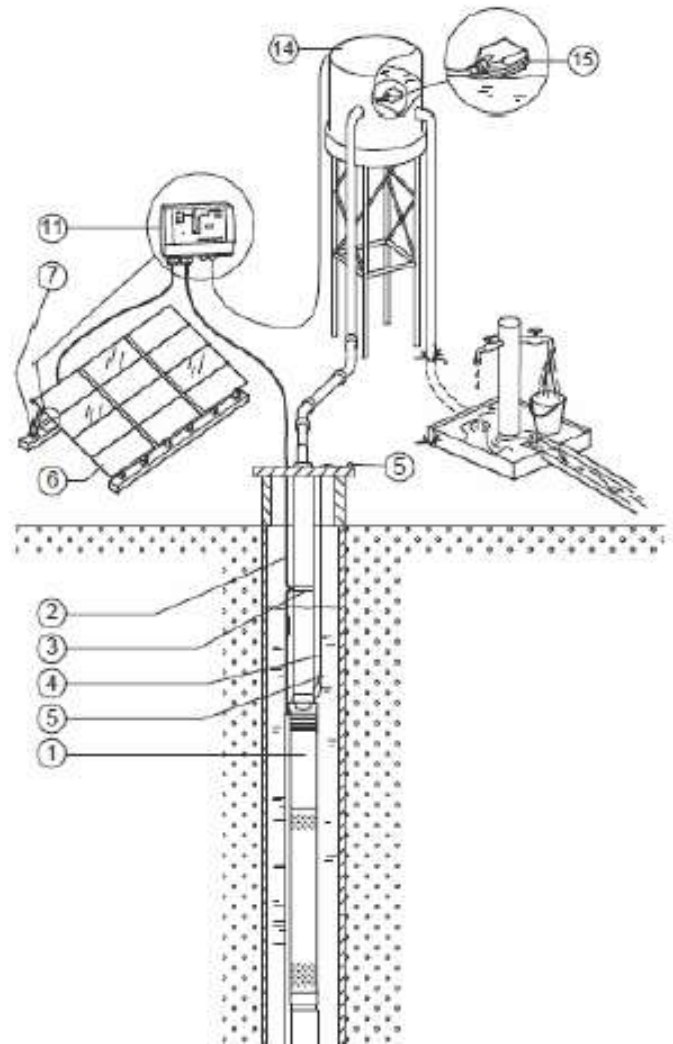


Components of one solar pumping system

1. ATLANTS hyper efficient solar pump
2. Submersible drop cable
3. Cable clips
4. Straining wire
5. Wire clamp
6. Solar panels
7. Support structure
8. Controller box
9. Tank /water pipe/other
10. Level sensors

Advantages

1. Easy to install
2. Maintenance confined to periodic cleaning of the solar panels
3. Few and simple components with long life span
4. The protective circuit incorporated in the motor electronic unit cuts out the pump in case of dry running or similar situations. By using the controller switch, the power supply to the pump can be closed manually, for example when there is no need for water supply or the system requires service.



ATLANT 8000 serials Solar Pump System

The system is a reliable water supply system based on solar power sources, and the system incorporates an effective submersible pump. Very flexible as to its energy supply and performance, It can be combined and adapted to any need according to the conditions on the installation site.

Pump : Wide range as per client 's needs

The pump range comprises two pump technologies:

- The helical/screw rotor pump .
- The centrifugal pump .

The performance curves above the pump performance for some main pump models. All pump types are made of stainless steel DIN W.-Nr. 1.4301 / DIN W.-Nr. 1.4401.

Motor: The motor has been developed specifically for the solar pump system and is designed according to the Permanent-magnet principle Brushless DC made made of stainless steel DIN W.-Nr. 1.4301 / DIN W.-Nr. 1.4401.

Supply voltage

Flexible as regards power supply and power range, the motor can be supplied with either DC 36-300 VDC

Solar modules: PVS solar modules have been developed specifically for the pump system. The solar modules are equipped with plugs and sockets enabling easy connection in parallel. Atlants ONLY use high efficiency mono or polycrystalline solar pannels with efficiency +16%. For further information on solar modules please see ATLANTS informations concerning this product.

Pumped liquids: The pumps are applicable in non-aggressive, non-explosive liquids, not containing solid or long-fibred particles larger than sand grains. PH value: 5 to 9. Liquid temperature: 0°C to +40°C.



Sand content : Maximum sand content: 50 g/m³. A higher sand content will reduce the pump life considerably due to wear. Pumps can be used with salty water but it may reduce life span of pump like in all other pumps

Curve conditions: The Solar performance range shown on the introduction based on

- Solar radiation on a tilted surface (tilt angle of 20°) . HT = 6 kWh/m² per day . Ambient temperature: +25°C

Specific performance charts : The specific performance charts are based on the following guidelines

- All curves show mean values.
- The curves must not be used as guarantee curves.
- Typical deviation: ±15%.
- The measurements have been made at a water temperature of +20°C.
- The curves apply to a kinematic viscosity of 1 mm²/s. If the pump is used for liquids with a viscosity higher than that of water, this will reduce the head and increase the power consumption.

Pressure loss : The QH curves are inclusive of inlet and valve losses at actual speed

