

Systèmes de pompes solaires **SERIE 8000, HAUTE EFFICACITE**

Systèmes de pompes immergées 100% ACIER INOXIDABLE

Jusqu'à 110 m³ eau/heure et jusqu'à 295 m hauteur manométrique (967 pieds)

Les pompes ATLANTS sont des produits de haute qualité conçus pour l'alimentation en eau potable, Les petits systèmes d'irrigation, les abreuvoirs, la régulation des nappes d'étang et les systèmes d'irrigation. Les pompes ATLANTS fournissent de petites et grandes quantités d'eau de façon économique, sans pollution et n'importe où.

Avantages

- Longue durée de vie et efficacité éprouvée
- Conçu pour une utilisation à distance et dans des conditions difficiles
- Conception modulaire intelligente pour un entretien et des réparations simples et peu coûteux
- Moteurs remplis d'eau pour une grande fiabilité et éviter les entrées d'huile
- Installation rapide et facile
- Philosophie de pièces de rechange peu coûteuses
- Retour sur investissement très intéressant par rapport aux pompes à moteur diesel, réduisant les coûts de production ainsi que l'empreinte carbone
- Vaste gamme de pompes pour répondre précisément à chaque application et optimiser l'efficacité
- Technologie MPPT pour optimiser la consommation d'énergie des panneaux PV

Caractéristiques

- Matériaux haute qualité non corrodables
- Composants en acier inoxydable moulé
- Photovoltaïque direct avec options de connexion au courant alternatif
- Haute technologie pour optimiser la consommation d'énergie des panneaux PV
- Moteurs CC sans balais, conçus pour une utilisation solaire avec plus de 90 % d'efficacité

Les pompes ATLANTS C.C. ont été conçues spécialement pour pomper efficacement grâce à l'énergie solaire. Ces pompes à haut rendement peuvent atteindre un débit de <110 m³/heure.

Ce concept garde tous les composants électroniques au-dessus du niveau du sol, pour un entretien simple, un accès simplifié et un faible coût d'exploitation.





DC 4" POMPES À EAU SOLAIRES

CAPACITES

REFERENCE	M3/heure Débit max.	Hauteur manométrique max. mètres	Puissance nominale solaire Wp minimale
ATL-8000BS2-4	4,5	50	660
ATL-8000BS2-7	5	75	920
ATL-8000BS2-15	5	106	1440
ATL-8000BS2-18	5,5	145	1920
ATL-8000BS2-24	6	183	2860
ATL-8000BS2-28	7	260	3900
ATL-8000BS3-2	5	35	660
ATL-8000BS3-5	5,3	54	920
ATL-8000BS3-12	5,5	100	1440
ATL-8000BS3-13	6	123	1920
ATL-8000BS3-18	6,5	144	2860
ATL-8000BS3-22	6,8	175	3900
ATL-8000BS5-3	9	32	920
ATL-8000BS5-7	9,5	75	1440
ATL-8000BS5-10	10	102	1920
ATL-8000BS5-14	10,5	128	2860
ATL-8000BS5-18	10,5	158	3900
ATL-8000BS8-2	11	30	920
ATL-8000BS8-4	11,5	45	1440
ATL-8000BS8-6	12	57	1920
ATL-8000BS8-10	12,3	87	2860
ATL-8000BS8-12	12,5	105	3900
ATL-8000BS14-2	19	24	1440
ATL-8000BS14-3	20	33	1920
ATL-8000BS14-5	21	51	2860
ATL-8000BS14-6	22	62	3900
ATL-8000BS2-26	8	295	3900

DC 6" POMPES À EAU SOLAIRES

REFERENCE	M3/heure Débit max.	Hauteur manométrique max. mètres	Puissance nominale solaire Wp minimale
ATL-8000BS17-2	26	36	2860
ATL-8000BS17-3	28	48	3900
ATL-8000BS30-1	50	18	2860
ATL-8000BS30-2	52	32	3900
ATL-8000BS46-1	90	20	3900
ATL-8000BS60-1	110	18	3900

VOLTAGES 36-300V DC / FABRICATION EN ACIER INOXYDABLE 100% 304SS

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.



The stark reality.



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

Transformation



Water is Life. Since the birth of civilization, people have moved and settle 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

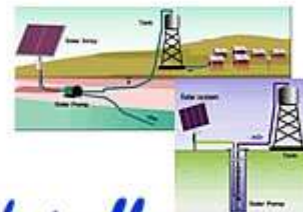


People need water, for drinking, cooking, washing, food, industry, transport, energy, rituals, fun, for life, and it is not only we humans who need it, all life is relies and is dependant on water to survive. We cannot survive without water. ATLANTS makes it possible towards obtaining self-reliance and 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.



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.

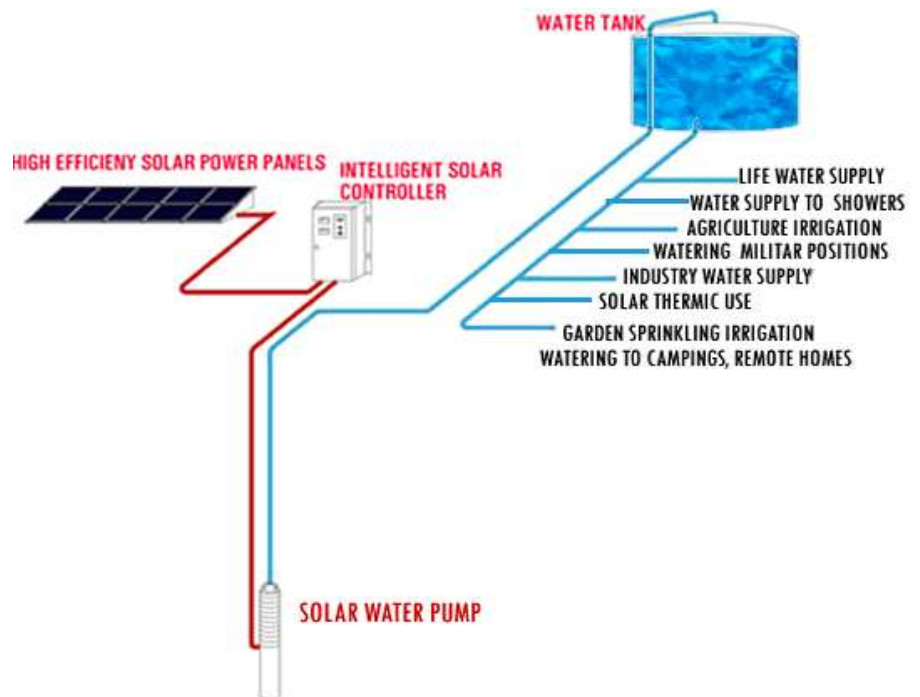
INTRODUCTION

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

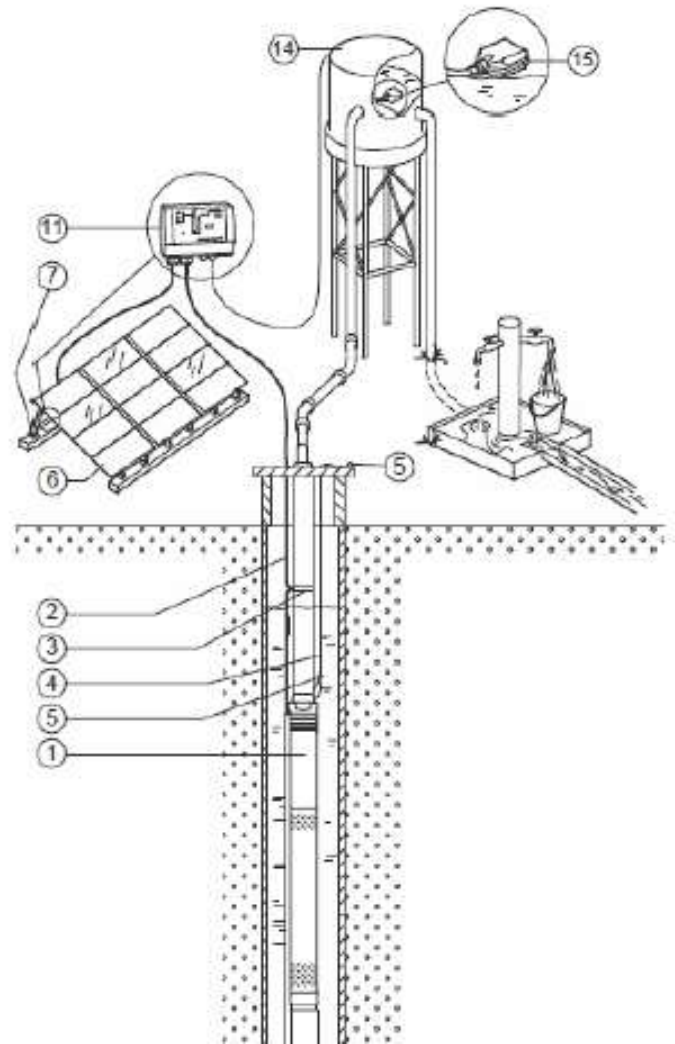


Components of one solar pumping system

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

