

Petrol Pumps out - Solar Pumps in!

Save Money and Simplify Life



Petrol pumps compared to solar water pumps

Are you tired of struggling to get water where you need it? Whether it's for your home, garden, livestock, or crops, finding the right water pump can make all the difference.

Imagine a reliable, efficient solution that effortlessly transports water from any source to its destination. The **LORENTZ S1-200 water pump powered by solar energy** is exactly that solution.



Petrol pumps may cost less upfront, but they have hidden costs and problems.

Key factors to consider before buying a petrol pump

- **Fuel costs:** You need to buy fuel, and petrol or diesel prices can vary significantly.
- **Maintenance and labor costs:** Regularly check and replace oil, filters, and worn-out parts, or pay someone to do it.
- **Time commitment:** Operating a petrol pump requires refueling and regular checks.
- **Lack of control:** Pumps water at a constant speed without adjustable settings or water measurement.
- **Noisy, smelly and polluting:** Petrol pumps are noisy, emit strong odors, generate significant heat and contribute to air pollution and greenhouse gas emissions.

Why solar water pumps are a smart choice

- **No fuel costs:** Powered by free solar energy.
- **Low maintenance:** Fewer moving parts mean less upkeep.
- **Control:** Adjustable for sprinklers, drip or flood irrigation.
- **Time-saving:** Operate reliably without human intervention.
- **Farm-friendly:** Quiet operation, cleaner air and a healthier environment.
- **Smart automation:** Use the S-Connect app to adjust settings, set water amounts, configure timers, or control pump speed.

What about water at night or on cloudy days?

If you need water when the sun isn't shining or at night, simply use a tank that the pump fills during the day. This ensures you have a continuous water supply 24/7.

Quick and easy installation - plug and pump water!

Installing the LORENTZ S1-200 solar-powered water pump is simple for everyone. No wiring needed - just plug it in using the detailed pictorial manual. Our help website also offers extra explanations, videos, pictures, and help articles in multiple languages for a smooth installation process.

Performance

Both the S1-200 solar water pump and petrol pumps can deliver about **18,000 l of water per day** at a height of 15 m. Petrol pumps are designed for high flow rates over short periods, while LORENTZ solar water pumps run for 8-10 hours daily, providing a steady water supply throughout the day.

Service life

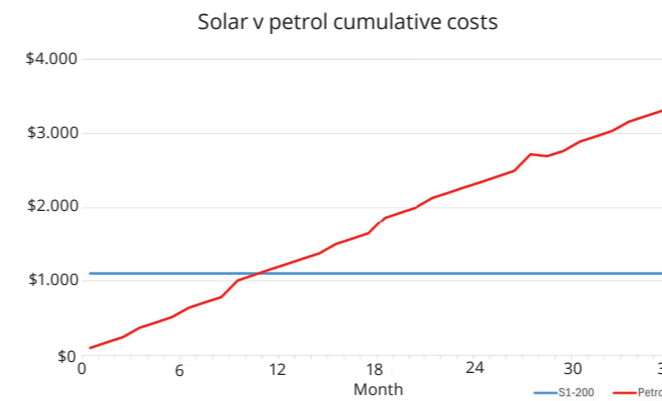
	Solar Pump	Petrol Pump
Average service life	17,500 h	600 h
Daily operation	8 h	5 h
Years of operation*	6	1

*if the pump is used daily

The S1-200 solar pump has an impressive average service life of 17,500 hours, far exceeding the 600-hour lifespan of traditional petrol pumps. This means the LORENTZ S1-200 can operate consistently for up to 6 years, compared to just 1 year for petrol pumps.

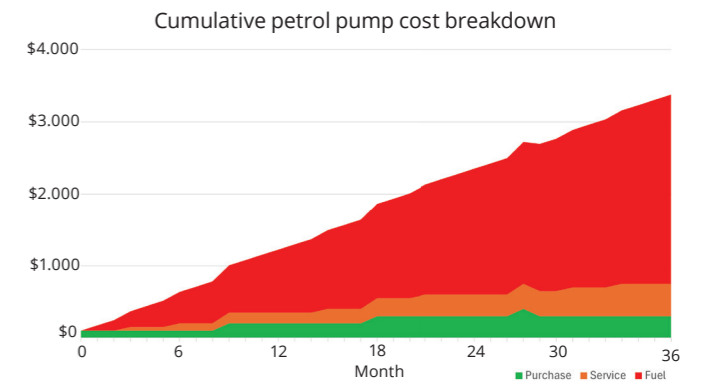
Costs

When we compare the costs of buying and running a solar pump versus a petrol pump, the solar pump pays for itself within one year. Over three years, the solar pump is three times cheaper than the petrol pump. The diagram below shows this clearly.



These calculations for the petrol pump don't include possible fuel price increases, the time spent refueling, or the downtime due to maintenance or breakdowns.

The diagram below clearly shows that fuel expenses are the biggest cost, and they keep adding up over time when you use a petrol pump.



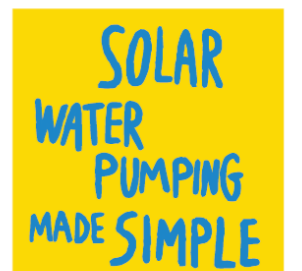
Payment options

With a solar pump, your only main expense is the initial purchase. You save on fuel and oil costs because solar energy is free. The S1-200 runs reliably for many years with minimal maintenance, and spare parts are easy to find if needed.

LORENTZ solar water pumps can be bought directly through the PayGo option, which lets you spread the cost over time with smaller, regular payments instead of paying everything upfront. This makes it easier to get the pump without a big initial expense.

No matter which payment option you choose, you will spend less than the total cost of a petrol pump, including fuel and oil expenses.

Make the smart choice today: Switch to a solar pump, save money and make life easier!



SOLAR WATER PUMPING MADE SIMPLE

www.lorentz.de/s