

SE1 Solar Irrigation Pump (60W)

The Futurepump SE1 is a robust surface pump designed for smallholder farmers with shallow water sources, it can pump up to 0.5 litres per second of water using just the power of the sun.

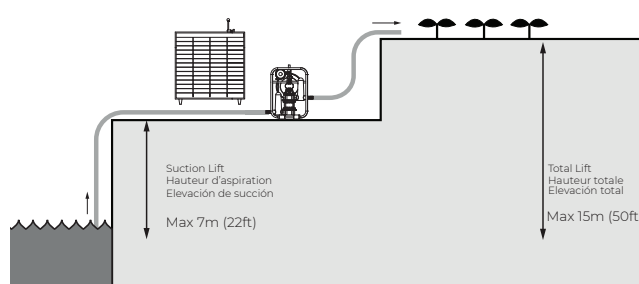


The Futurepump SE1 has three main parts: a PV panel (60 Wp) which converts sunlight into electrical energy to drive the DC motor, a specially designed unit coupled to a flywheel, which drives a reciprocating, positive displacement, high efficiency piston pump.

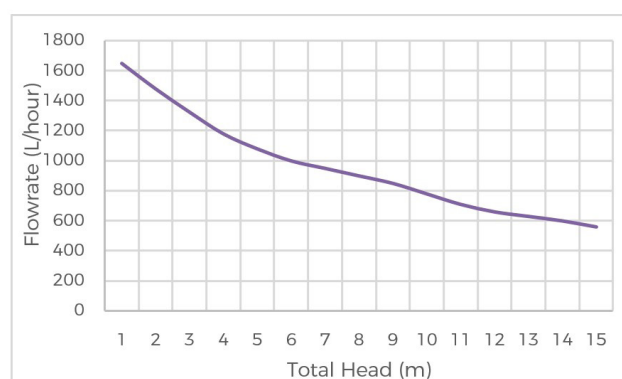
BENEFITS

- No fuel or electricity costs
- Robust, and farmer-fixable (as simple as a bicycle)
- Pumps enough to irrigate up to one acre
- Ideal with tanks, sprinklers, hoses or drip systems
- Removable, folding PV panels reduces theft risk
- Supplied with 1 x 60W panel
- Solar panel tilting system for best performance
- No damage caused by dry pumping
- Tolerant of grit, sand, mud and debris

PERFORMANCE



At shallow heads (1 m), the Futurepump SE1 can deliver up to 0.5 litres per second, which is 1,800 litres per hour or over 10,000 litres per 6-hour pumping day.



1 meter lift	6.5 meter lift
1640 litres/hr	950 litres/hr

- Inlet side vertical suction limit: 7 metres
- Maximum total vertical lift: 15 metres
- Horizontal discharge: up to 500m
- Peak system efficiency: 60%

Futurepump is proudly supported by PRACTICA, iDE, USAID Powering Agriculture, AECF, REEEP and Village Capital.

ELECTRICAL / MECHANICAL

- Maximum pump voltage: 30V DC
- Maximum motor current: 2 amps DC
- Piston diameter: 61 mm
- Inlet/outlets designed for 1" (25 mm) hosepipe
- Displacement volume per stroke: 55 cm³
- Normal flywheel RPM range: 100-600 rpm

WEIGHT & DIMENSIONS

- Pump weight: 12.7 kg
- Pump dimensions (mm) (L x W x H): 330 x 240 x 470
- Carton weight: Pump: 16.6 kg PV: 9 kg.
- Supplied with 7.5 m of flexible inlet/suction pipe: Internal diameter of 1" (25 mm)

SPARE PARTS & TOOLS

- 4 x spare flywheel belts
- 4 x PU yoke pads
- 2 x bellows
- 2 x spare piston seals
- 2 x adjustable hose clips
- 2 x 1-inch pipe couplers
- 1 x inlet filter/strainer
- 1 x complete set of spare O-ring seals

Toolkit: Three sizes of spanner, double ended screwdriver, allen key (5mm)

DISTRIBUTORS

To find your nearest distributor please visit shop.futurepump.com.

For information on becoming a distributor, visit futurepump.com/distribute

WARRANTY & CERTIFICATION

The SE1 is supplied with a full ten-year manufacturer-backed warranty, which means servicing and parts will be provided free of charge to customers over that period through our network of certified distribution partners.

The best support can be provided to you if you register your pump upon purchase via warranty.futurepump.com

The SE1 is manufactured by Futurepump (India) Pvt Ltd who use an ISO 9001:2015-certified quality management system.