DATA SHEET
Solar Pump SF 1

FLOW RATE (m³/hr)

PUMP HEAD (m)

Curve at 1000W/m²
The SF1 Future pump is an innovative solar powered pump specifically designed for small scale agricultural irrigation applications using low pressure sprays and drip. It is of positive displacement reciprocating piston type with the capability to lift water up to 6m from shallow wells, rivers and dams and at low and can provide enough water to irrigate one acre. Pump construction is durable cast iron and it is mounted in a sturdy frame for easy handling.

The pump includes two components, a solar panel that is separately mounted for security and optimal sunlight and the pump unit is supplied complete with 6m suction hose and a spares kit.

The Future pump is of exceptionally robust design for long life and is the most efficient and cost efficient solution to small scale farm irrigation requirements.

**FEATURES**

- Pumps up to 12,000l/day at low heads and will lift up to 10m
- Efficient 80W, 12V solar panel with USB port incorporated for powering phone charging and other small electronic devices.
- Air vessels on either side of the pump for balanced and even water flow.
- Efficient DC motor with in-built controller.
- Low light option for cloudy days.
- 1 ¼" inlet and outlet.

**OPERATING CONDITIONS**

**Pumped Liquid:** Clean thin chemically non aggressive liquid without solids or fibers.

**Maximum Suction Left:** 6m

**PUMP DATA**

![Diagram of pump components: motor, air vessels, sturdy frame, fly wheel, pump cylinder.](image)

- **Motor**
- **Air Vessels**
- **Sturdy Frame**
- **Fly Wheel**
- **Pump Cylinder**

Weight = 33kgs, All dimensions in mm.