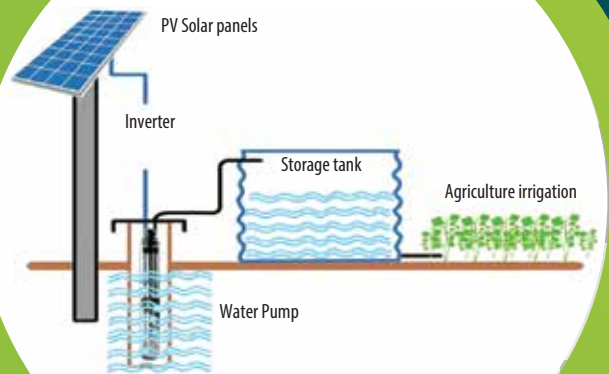




# SOLAR POWER FOR WATER PUMPING AND FILTRATION SYSTEMS



**Solar-Powered Water Pumping (SWP) systems are being widely used in a wide range of commercial, industrial and rural applications.**

**SWP cannot only add redundancy to your existing water pumping systems, but can also reduce your operating costs by converting some the requirements on the off-grid SWP.**

## QUALITY BENEFITS

- Provide green solutions to a farm installing solar water pumps and powering the fans on solar to keep the greenhouses cool.
- High efficient solar water pumps are the most economical and reliable solution for all off-grid irrigation and water supply demands.
- Since they are DC pumps they can operate off grid for absolutely zero utility bills, so independence from Grid.
- Solar energy can also power lights at the farm which makes the solution 'truly' green in essence.
- Solar water pumps cannot only be used for cultivating vegetables but also to feed their cattle farm.
- The submersible solar water pumps lift up to 240 m with flow rate of up to 11.0 m<sup>3</sup>/h and it's the most cost-efficient pumping system with high resistance to sand and corrosion.
- The solar water pump can be a boon to the authorities at the farm house for clean & healthy drinking resources from long.

# OSS has solution for water pumping application and specifically for



## Swimming Pool Pumping and Filtration

Ideal for filling and filtering water in swimming pools in hotels, homes, restaurants etc

## Industrial Application

Industries requiring water and liquid mobility solution for their non-mission critical requirements can utilize SWP solution to reduce their operating cost. SWP solution may also be utilized for emergency back-up systems.



## Irrigation Systems (Drip & Flood)

SWP is the right solution for supplying water to various agricultural requirements from large land to greenhouse cultivation to irrigating parks and wildlife reserves.

## Desalination Plants

Sources of drinking water are shrinking, while populations are growing. Solar-powered desalination is an attractive idea in all parts of the world where fresh water is scarce but seawater and sun are plentiful and particularly so in remote areas without grid electricity or good supplies of petrol or diesel.

In many places of the world drinking water of acceptable quality has become a scarce commodity. More and more often only brackish water or polluted water is available. This brings about an increasing interest in new desalination technologies suitable also for decentralized locations.

Desalination plants can reduce their electricity consumption cost by converting some of their tank transfer requirements onto to SWP systems without impacting their critical operations.



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