

Solar Water Purification System

RO and UV Technology

Safe drinking water to all

Solar Water Purification System is compact and portable source of safe drinking water. It uses Reverse Osmosis (RO) or Ultra Filtration (UF) technologies for purification of water as per requirement. Solar Energy through separate PV panels is utilized to fulfill energy requirements for purification process. Specially engineered designs serves the purpose of indoor and outdoor drinking water requirements in all the areas.



Key Features & Benefits



Safe and Certified

Tested, certified and conforms to IS-10500 for drinking water.



Dual Power Mode

Option to draw power from the grid when sunlight is not available.



High Storage Capacity

12 litres storage capacity with a meter.



Easy Installation

Easy Installation and low maintenance cost.



Power Saving

Solar powered system with no need of electrical power during sunlight.



Saves Space

Compact design saves space & option to mount on wall.



No Wastage of Water

Automatic shut off to avoid overflow.



Rugged Design

High quality Solar modules with mounting structure to last long.

TECHNICAL SPECIFICATIONS

| Parameters | Indoor | Outdoor | |
|-----------------------------|--|------------------------|------------------------|
| Technology | RO | RO | UF |
| Output capacity (L/Hr.) | 20 | 20 | 20 |
| Storage capacity (L) | 12 | NA | NA |
| Input water salinity (ppm) | 1500 - 2500 | 1500 - 2500 | 1500 - 2500 |
| Output water salinity (ppm) | 60-250 | 60-250 | 60-250 |
| Operational hours per day | 10-12 hr/day | 6-7 hr/day | 6-7 hr/day |
| Fluoride (mg/l) | <0.1 | <0.1 | NA |
| Iron (mg/l)* | <0.05 | <0.05 | < 0.05 |
| | | (Available on request) | (Available on request) |
| Pressure range | 5-6 Kg/cm2 | 5-6 Kg/cm2 | 5-6 Kg/cm2 |
| Source of Energy | Solar PV or 230 V - A.C. Mains selectable | Solar PV | Solar PV |
| Power consumption | Approx. 20W | Approx. 20W | Approx. 20W |
| Enclosure material | Plastic | Stainless Steel | Stainless Steel |
| Certification | IS:10500 | IS:10500 | IS:10500 |

(*)- Iron filter is standard in Indoor RO; Will be provided on request for out door version.