

Solar Water Treatment Plant

Water treatment plant for areas without electricity

DimWater Engineering has developed a water treatment plant specific for areas that do not have electricity power. The device is suitable for any type of water, from lightly contaminated water to seawater . And gives a great versatility .



Benefits

- **Not dependent on any input of energy.**
- Suitable for any type of water.
- **Easily transportable thanks to its small size.**
- No installation required.
- Compact device with a folding structure of photovoltaic modules to expand the area of solar radiation.
- **Intelligent management of the energy produced and consumed by the device.**
- Not require specialized personnel for use.
- **It produces drinking water anywhere and at low cost.**

Technical Characteristics

- For this device **DimWater Engineering** has created a **system of intelligent energy management**, to the energy generated by the photovoltaic modules, the system of pumps and membrane treatment.
- In this way, high performance is achieved during of the use; **increasing the amount of water treated and therefore the efficiency of the device.**

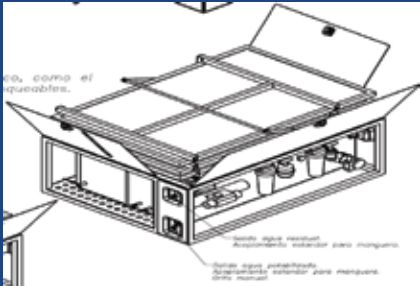
High performance photovoltaic modules for energy production that use the reverse osmosis process.



- The Solar Water Treatment Plants, depending on the water **to be treated, produce from 90 to 1000 liters / hour.** To use water for irrigation, consumption, or to domestic use...



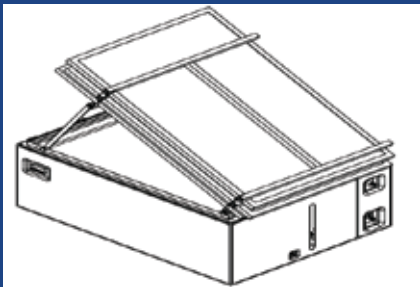
Manual



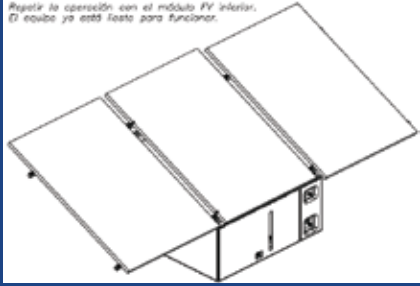
Phase 0: connect the inputs and outputs of water



Phase 1: guide the midday sun.



Phase 2: Unlock and tilt power module.



Phase 3: Deploy photovoltaic modules.

Applications

- Filtration of water for daily use.
- Primary sector.
- Agriculture and farming sector.
- Water treatment situations Emergency.
- ONG.
- Army.