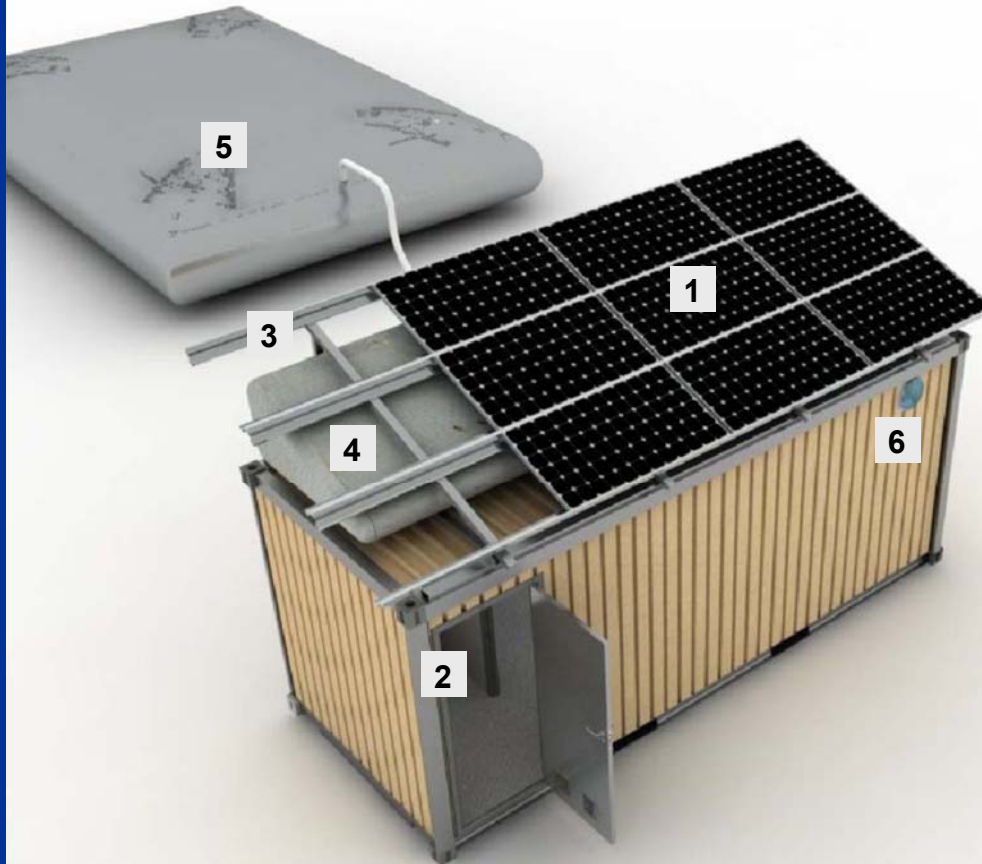




SOLAR POWERED WATER PURIFICATION UNIT



Final storage tank for drinkable water.



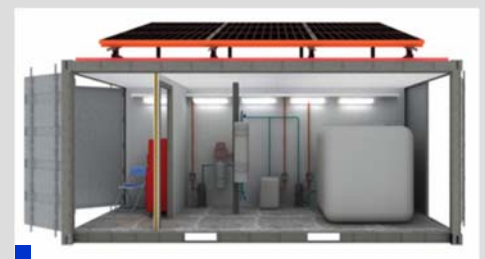
Components

- 1 Photovoltaic modules
- 2 Main container
- 3 Metallic frame
- 4 Additional tank for pre-treated water
- 5 Area for extra inflatable tanks for final drinkable water
- 6 Cooling fan

Technical sheet

For 1,300 to 13,000 gal/day.

The solar-powered water treatment and purification unit is an autonomous unit designed to produce potable water for human and/or agricultural use, either from fresh contaminated water or brackish water or seawater with no need of any external artificial energy source rather than the sun, thanks to the solar panels built-in.



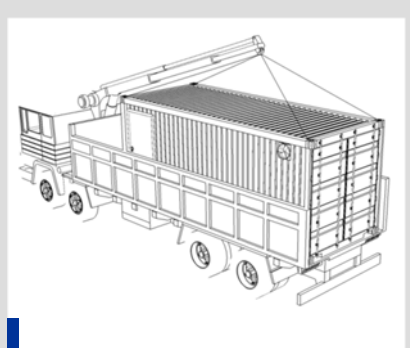
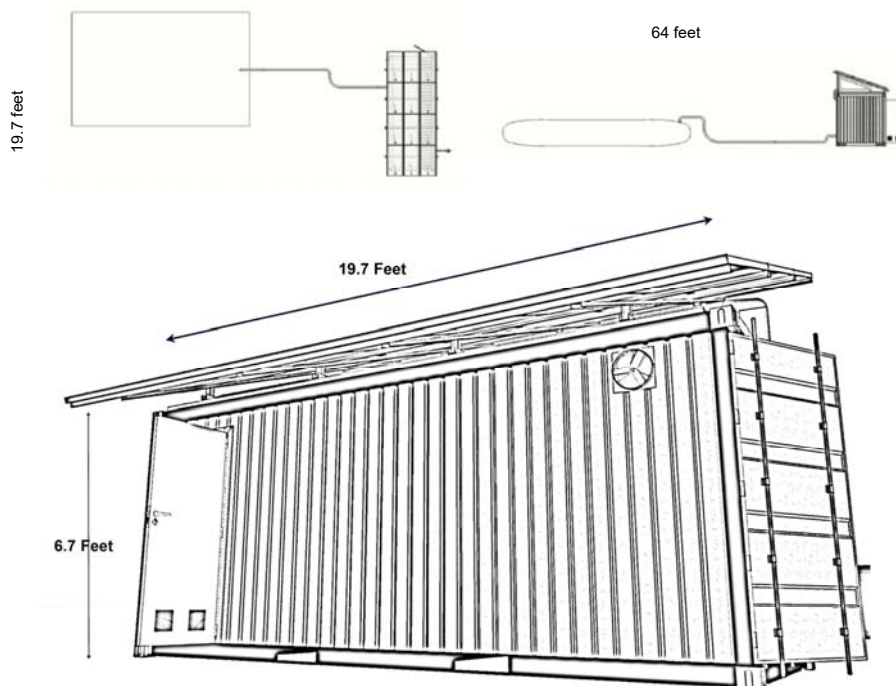
Water purification elements.



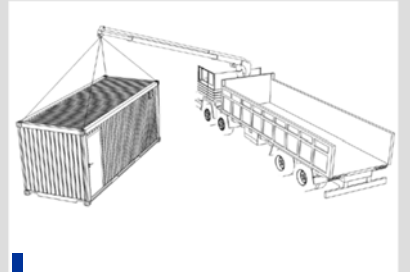
Technical Features

- Does not depend on any input of energy.
- Suitable for either fresh or brackish or sea water.
- Easily transportable to the point of use, thanks to standard dimensions and adapted design of the whole concept.
- It does not need internal installations. Only the metallic frame on de container, to locate the photovoltaic panels on it, followed by connecting of the system.
- Intelligent processing of the produced and consumed energy.
- Handling does not require specialized staff.
- Produces drinkable water in places with no electricity available.
- UF or RO membranes ensure the separation of any contaminant element in water.
- On-line water chlorination.
- High capacity, last generation photovoltaic panels.

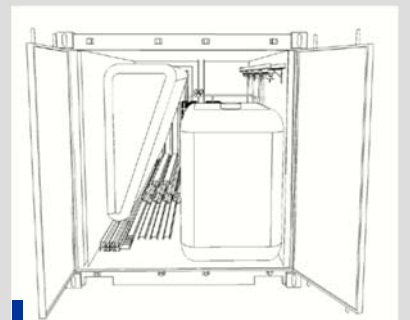
Dimensions



Phase 0: Transportation.



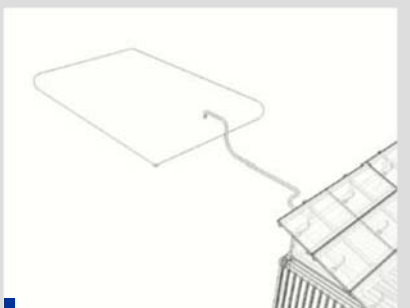
Phase 1: Placement by breakdown lorry.



Phase 2: Opening of container and dismantling the material.



Phase 3: Installation of metallic frame for panels.



Phase 4: Installation of additional inflatable water tanks, and immediate connection.

Main applications

- Purification of water for daily use.
- Agricultural Sector.
- Livestock Sector.
- Emergency Water Purification
- NGO's.

Advantages

- Compact, rigid and robust
- Quick installation
- Portability
- Modulation capability
- No need of specialized personnel

*Depending on the final location of the unit, a specific study for de optimal water extraction system could be required.

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