

# SOLAR DESALINATION UNIT

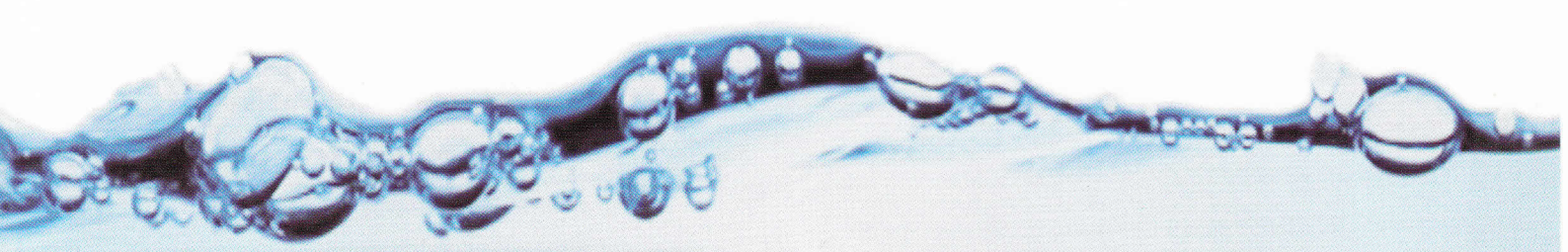
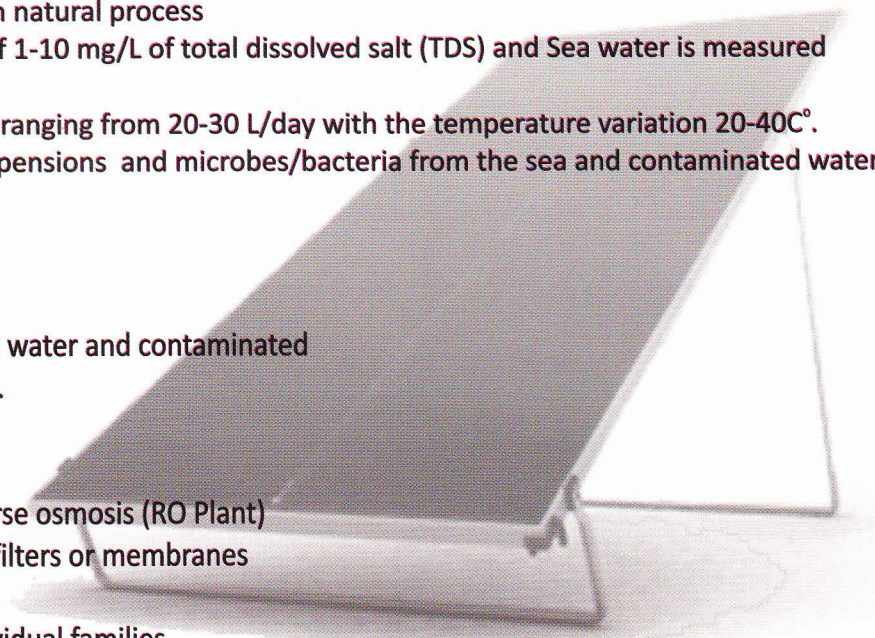
*Domestic & Commercial Solar Powered  
Water Purification System*

## FEATURES

- › Purify sea and contaminated water through natural process
- › Sea/brackish water desalinated to a level of 1-10 mg/L of total dissolved salt (TDS) and Sea water is measured as more than 35000 mg/L TDS.
- › One panel unit provides desalinated water ranging from 20-30 L/day with the temperature variation 20-40C°.
- › Remove all sea salts, organic, inorganic suspensions and microbes/bacteria from the sea and contaminated water

## BENEFITS

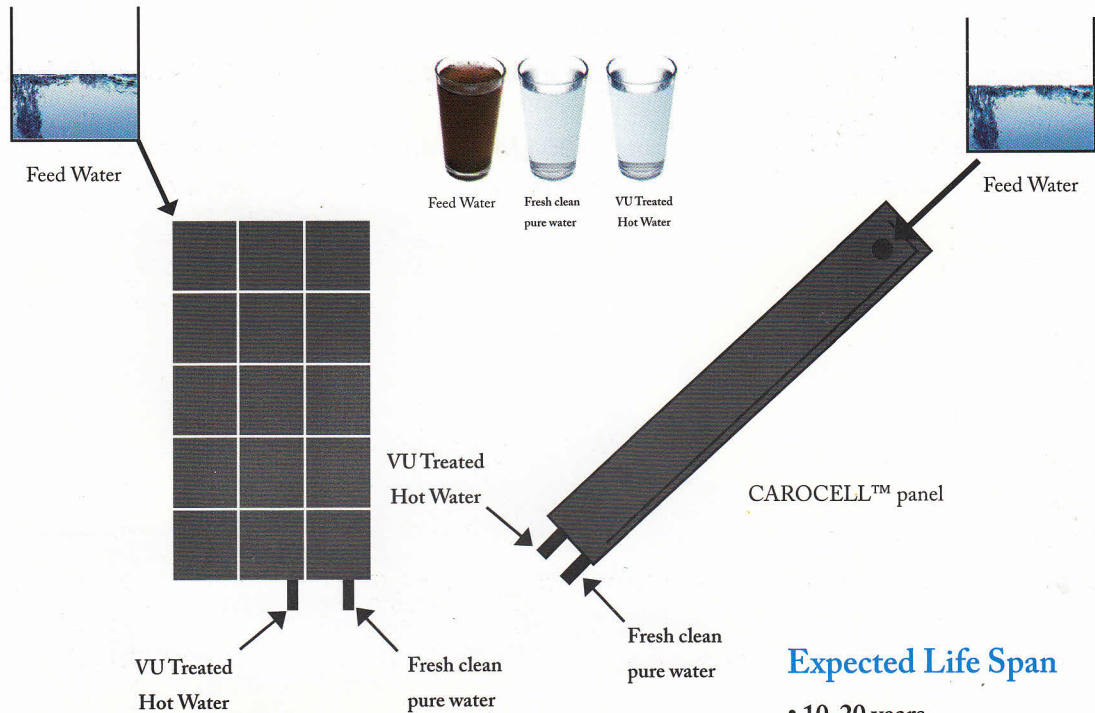
- › This unit can be purified sea water, brackish water and contaminated water of drinking quality of WHO standards.
- › Very low maintenance and operation cost.
- › Easy Installation and operation.
- › Low initial investment as compared to reverse osmosis (RO Plant)
- › No high tech exchange parts like batteries, filters or membranes
- › Expected life span 20 years
- › Independent drinking water supply for individual families



## APPLICATION AREA

*Domestic drinking  
Kitchen Usage  
Gardening  
Livestock Watering  
Poultry farming  
Laboratories  
Hydroponics  
Other commercial uses*

“The human right to water entitles everyone to sufficient, safe, acceptable, physically accessible and affordable water for personal and domestic use”  
 u.n. general Comment no.15 on the right to water, 2002



## Rainwater Harvesting Bonus

- CAROCell™ panels desalinate/purify any type of water but also function as rainwater collectors
- Rainwater harvesting is captured by a simple but practical 'gutter' at the bottom of the panel.

## Installation and Maintenance

- Installation – 10-15 mins
- Maintenance – zero/minimal
- No cleaning or washing needed
- Easy simple operation
- Gravity or pump feed

## Expected Life Span

- 10-20 years
- 2 valuable sources of water 'Pure Clean Drinking water and UV treated hot water'

## High Tech – Low Tech

- Advanced technology
- High efficiency rating
- Easy and simple to use
- Easy to operate

## Legs or Railing System

- Easy install legs for single panels or
- Multiple panel railing system

