



CE Solar-Powered Reverse Osmosis Desalination

CE has developed two small-scale solar-powered desalination packages, based on highly energy efficient DC pumps and motors, originally developed for usage on sea-going yachts. With a patented energy recuperation system (Clark Pump Intensifier), these units use up to 75% less energy than conventional units and thus require relatively small solar and battery systems to run them. Both the units come with a weatherproof stainless-steel enclosure for the RO equipment, electrical equipment and batteries, control panel and an aluminum rack for the solar array. Optionally, the systems can be trailer-mounted.



1) CE-RO500: 500 Liter per Day System

This unit runs for about 10 hours per day, during the day time and thus requires only minimal battery capacity and substantially less solar capacity.

It consists of:

- Spectra Cape Horn Reverse Osmosis Unit with pre-filtration, carbon filter and UV sterilizer
- 3 Units 160Wp Solar Modules with solar charge controller and low-voltage disconnect
- 4 Units Maintenance-Free 100 AH/12V Deep-Cycle Gel Solar Batteries

2) CE-RO1000: 1000 Liter per Days System

Based on the same RO unit, but with sufficient solar and battery capacity to run up to 20 hours per day, producing an average of 1000 liters per day.

It consists of:

- Spectra Cape Horn Reverse Osmosis Unit with pre-filtration, carbon filter and UV sterilizer
- 10 Units 160Wp Solar Modules with solar charge controller and low-voltage disconnect
- 8 Units Maintenance-Free 100 AH/12V Deep-Cycle Gel Solar Batteries

(Other capacities and brackish-water machines available on request)

“BETTER ENERGY SOLUTIONS TODAY”

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