



PORTABLE SOLAR POWERED DESALINATION



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FARMING



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PORTABLE SOLAR POWERED

DESALINATION



GO GREEN
CO₂-free water production

RO25SW PORTABLE UNIT SOLAR

This unit produces up to 30 litres per hour of safe, clean, drinkable water from salty sea water. The feed water is pumped directly from the ocean or beach well into the unit where it goes through a pre-filtration process before the high-pressure pump provides the pressure necessary to perform the reverse osmosis process (50 - 60 bar)

The unit uses only 120 Watt to operate at maximum efficiency. The kit typically includes 2 solar panels with an installed power of approximately 240 W. This should be sufficient for 5 - 9 hours of operation, producing 100 - 270 litres of clean water per day.

The energy storage and distribution system allows water production for 1 hour (independently of any other energy source) before it needs to be recharged. This will sufficiently manage the basic water related needs of a small community (i.e. drinking, cooking, and personal hygiene).



“The foldable solar system for the portable solar desalination system is extremely of high quality. I tested and it’s exceptionally efficient!”

- MAX ARTE, TECHNICAL ADVISOR, SOMALIA

TECHNICAL DATA

REVERSE OSMOSIS TECHNOLOGY

SEA WATER - 15,000 - 35,000 ppm

CAPACITY - 25 - 30 l/h drinking water

MOBILE INFRASTRUCTURE MANUALLY OPERATED

POWER SUPPLY - Solar panels 2 x120 W

ENERGY STORAGE

SYSTEM PRESSURE - maximum 55 bar

PREFILTRATION - 10” cartridge filters

SIZE - 2 boxes, 0.8 x 0.4 x 0.4 m each

WEIGHT - approx. 30 kg each box

KEY BENEFITS

- ✓ WHO standards product/drinking water
- ✓ Ideal for disaster relief and emergency response
- ✓ Cost saving - produces fresh water on site
- ✓ Light weight - mobile and flexible
- ✓ Easy transport and installation - transportable via air freight and set-up in less than 5 mins.
- ✓ Foldable solar panels

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