



RO1300SW SEAWATER

DESALINATION PLANT



Sustainable WHO-Standard Drinking Water from the Sea.

- ✓ WHO-standard drinking water from seawater
- ✓ High quality treatment system that will reliably provide good water every day
- ✓ 100% renewable energy - emission free
- ✓ Chemical-free operation
- ✓ Low-operating costs
- ✓ Reduces consumption of plastic and firewood
- ✓ Perfect for use in schools, health centers and village communities
- ✓ Enhanced resilience to climate change; droughts and cyclones



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COMMUNITIES



HEALTH CENTRES



SCHOOLS



AGRICULTURE



VEGGIE GARDENS



STOCK



FISHERIES



WATER PURIFICATION




VOCATIONAL TRAINING


- ✓ Builds local capacity and skills to operate plant every day
- ✓ Reduces costs and delays associated with mobilizing support from cities
- ✓ Available at two levels for daily operators and technicians

TECHNICAL BENEFITS

- Easy to operate**
Simple operator controls.
- Easy to maintain**
Enhances reliability.
- Automated flushing**
Membranes cleaned with freshwater automatically on shut down.
- Easy to transport**
Can be manufactured in modules that can be carried by hand and transported on small boats.
- Easy to install**
Comes as completed unit or completed modules - no complex assembly required. Powerboard for solar system is also completed and wired in Western Australia.
- Energy efficient**
Energy recovery device reduces power consumption significantly.
- Spare parts**
Can be sourced locally as far as possible.



SDG 6 CONTRIBUTION



TECHNICAL DATA

CAPACITY	up to 1300L/h WHO-standard drinking water
RECOVERY RATE	~25%, customizable
FEEDWATER	5,200L/h uncontaminated seawater
POWER CONSUMPTION	~5.5kW, 415VAC 3-Phase

RO1300SW

Water Treatment System Components.
Pick what you need and contact us.

COMPONENT	DESCRIPTION	FEATURE
RO1300SW	Desalination plant	Standard
PV	Solar system	Standard
PV-E	Extended solar array	Custom
W	Solar well pump	Custom
M	Media filter module	Custom
UV	Ultraviolet post treatment	Custom
Sat	Satellite anti-theft protection	Custom
3G	Live monitoring	Custom

Disclaimer: Moerk Water is constantly improving our Water Treatment Plants. Please contact us for detailed information. We accept no responsibility for any errors resulting from the use of this document

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