




# TBS 300

## TRUNZ BRACKISH SYSTEM 300

The mobile Trunz solar water desalination system TBS 300 is complete and ready to deploy. It provides up to max. 650 l of potable water per hour from any brackish water source. Depending on solar radiation and/or wind energy it can run up to 24 hours a day without ongoing fuel and fuel transportation costs. The system is complete with feed pump, automatic back flushing filtration system, batteries, solar panels and controls. An efficient Reverse Osmosis system removes dissolved solids (salt, inorganic contamination etc.) as well as viruses and bacteria without requiring toxic chemical treatment. The Trunz solar water desalination system is ideal for disaster relief, military camps or any other mobile application. The system is very compact, easy to install and to maintain.



-  ready to operate, installed in approx. 30 minutes
-  exceptionally energy efficient
-  easily relocated
-  up to 18,000 ppm up to 15,000 litres per day

Dimensions	L x W x H	1770 x 1560 x 1510 mm
Weight	net	1200 kg
Filtration Technology		Reverse Osmosis (RO)
Raw Water Source		well, river, lake, borehole
Contamination		organic and inorganic contamination, salinity up to TDS 18,000 mg/l
Quality of produced water		potable water
Application / Installation		mobile (trailer available)
Capacity		max. 650 l/h
Prefilter with back flushing system	4 pc.	1x 100 micron, 2x 50 micron, 1x 5 micron
Membranes	4 pc.	Brackish Reverse Osmosis
Activated carbon filter	1 pc.	20 micron
Power supply		solar panels, 1240 Wp
Power consumption unit		650 W
Power consumption Total	incl. borehole pump	900 W
VRLA-Batteries	4 pc.	12V - 180 Ah/Battery
Power connection		Solar, 24 VDC
Controls		digital
Feed pump	1 pc.	max. 1500 l/h
Feed pump pressure		6 bar
Tube package		20 meter
min./max. water temperature		0/45° C
min./max. air temperature		0/50° C
Optional features		Inverter 24 VDC / 230 VAC Battery charger 230 VAC / 110 VAC Wind generator, 1 kW Sandfilter Monitoring Disinfection
Certificates		FDA - 21 OFR 177.2550 ISO 9001:2008