TERRANOVA AQUA

Portable
Desalination System

A compact and efficient desalination unit capable of producing up to 1,200 liters of fresh water per day. Compatible with solar power systems and generators, making it ideal for coastal areas, remote operations, and emergency situations.

Up to **1,200 L/day**

Easy to transport

Single-phase power supply

99% UV disinfection



TERRANOVA
LIBERTAD, DE VERDAD

info@terranova.pe

+51 920 010 610

terranova.pe

TERRANOVA



1200 LPD

Liters per day

TECHNICAL SPECIFICATIONS	
Model	Portable desalination system
Daily water production	1200 liters per day
Dimensions	610 × 320 × 497 mm
Rated power	1.3 kW
Weight	40 kg

ELECTRICAL REQUIREMENTS			
Input voltage	Current draw	Frequency	Phase
100–240 V (24 V power supply)	≤ 8 A	60 Hz	Single-phase
200–240 V (220 V power supply)	≤ 10 A	60 Hz	Single-phase

FEEDWATER REQUIREMENTS	
Seawater quality	TDS < 35,000 ppm; temperature: 20–30 °C
System configuration	Integrated portable unit with external submersible pump
Raw water pump	Standard pump / compact submersible pump
High-pressure pump	Standard pump / plunger pump
Inlet pressure	1–3 bar (15–45 psi)
Operating pressure	40–60 bar (600–900 psi)
Reverse osmosis membrane	1 × 4021 seawater RO membrane
RO membrane housing	1 × 4021 membrane housing (1,000 psi)
First-stage PP filter	5 µm
Second-stage PP filter	5 µm
UV sterilizer	Disinfection efficiency >99%
Power supply	220 V / 60 Hz
Power consumption	1300 W
Solar power system	Expandable
Generator system	Expandable