

Orca Seawolves™

The Orca Seawolves™ off-grid solar-powered water desalination and delivery system uses renewable energy to provide access to clean water, electricity and e-mobility for remote locations and disaster zones. The rapidly deployed, self-contained and transportable solution turns salt water into life-sustaining fresh water and can be relocated as water challenges fluctuate.

Fresh Water Where It's Needed Most

Ideal for locations where only salt, brackish or dirty water is available and a reliable clean water supply is scarce or interrupted, the Orca Seawolves™ system is transportable and deploys in minutes with no construction, no electrical work and no supporting infrastructure.

Powered by 100% renewable energy, the self-sufficient system turns seawater into vital fresh water and is equipped with four e-mopeds for efficient and rapid transport to environments where people are most in need.



Clean Water, Electricity and eMobility in Crisis Zones



Off-Grid Solar
Desalination



Clean, Renewable
Electricity



Delivery eMopeds
Included



Rapid
Deployment

Accessible Life-Sustaining Resources for All



Life-Sustaining



Clean Drinking Water



Self-Contained

Remote Access to Renewable Resources

Each Orca Seawolves™ system generates its own clean electricity which is stored in integrated batteries with 40 kWh of storage. Desalinated, potable water is stored in a 3000-liter water tank. The off-grid power is resilient in blackouts and is used to run the water processing system, charge the e-mopeds and provide a vital source of clean electricity.

Orca Seawolves™ Specifications

Performance	
Charge Capacity	500-liter water tank; 4 e-mopeds
Charger Type	230 V outlets
Solar Array 1	4.3 kW
Battery Storage Options	40 kWh
Certified Wind Load 2	160 mph
Operating Temperature	-20° C to 50° C

Major Component Ratings	
Battery: UL 1973	
Solar Panels: UL 1703	
Inverter: UL 1741-2010/2018, IEEE1547a-2003/2014, FCC 15 class B, UL 1741SA, CA Rule 21, HECO Rule 14H	

Mechanical	
Array Dimensions	20.7 L x 10.7 W ft
Max Height	15.3 ft
Min Clearance	9 ft
Base-Pad Footprint	18 L x 7.5 W ft
Weight 3	10,000 to 15,000 lbs
Standard Shipping Methods	Manta Rays Mobile™ Trailer / Truck & Trailer / Shipping Container
EV ARC™ Stowed Ship Size 4	18 L x 7.5 W x 7.6 H ft

1. Solar array output may vary +/-5%
2. Wind rating is for MANTA RAY™ Base Model energy infrastructure equipment
3. Exact weight varies based on MANTA RAY™ model and options
4. Enables domestic and international shipping on a standard flatbed trailer or shipping container

Charge on Sunshine™