

Tube type diffuser



*Here are major benefits of Supernova Mobile Solar Aerator systems*

Stimulates the natural microbes and eliminates harmful gases, Reduces Algae growth and increases dissolved oxygen levels, De-stratifies the water column. Increases fish and shrimps growth, Low Maintenance System, 24 hour auto run time, Facility of using battery, power for lighting load, Payback itself in shortest time.



**SUPERNOVA**  
TECHNOLOGIES PVT. LTD.

BUREAU VERITAS  
Certification



An ISO 9001:2008 certified company

**Gujarat Office:** I/103, Phase-4, Zone : B-9, G.I.D.C Estate, B/H Swiss Glasscoat, Vitthal Udhyognagar 388 121. Dist.: Anand, Gujarat P: - (02692) 237037,651915, Telefax:- 237035, M. 094260 30903, Email:sntgujarat@yahoo.co.in/ sntgujarat@gmail.com

**Regd. Office:** ARVIND HOUSE, C. S. No. 189/1, Quay Street, Next to Sewree Police Station at Reay Road (E), Darukhana, Mumbai- 400 010. Phone: - 2375 7090 to 94, Fax : - 2375 7095. Email: milton1@vsnl.net / srswg@yahoo.com

**Website: [www.supernovawindsolar.com](http://www.supernovawindsolar.com)**

# Mobile Solar Aerator System and Ionizer

## Green Power, Solar Power

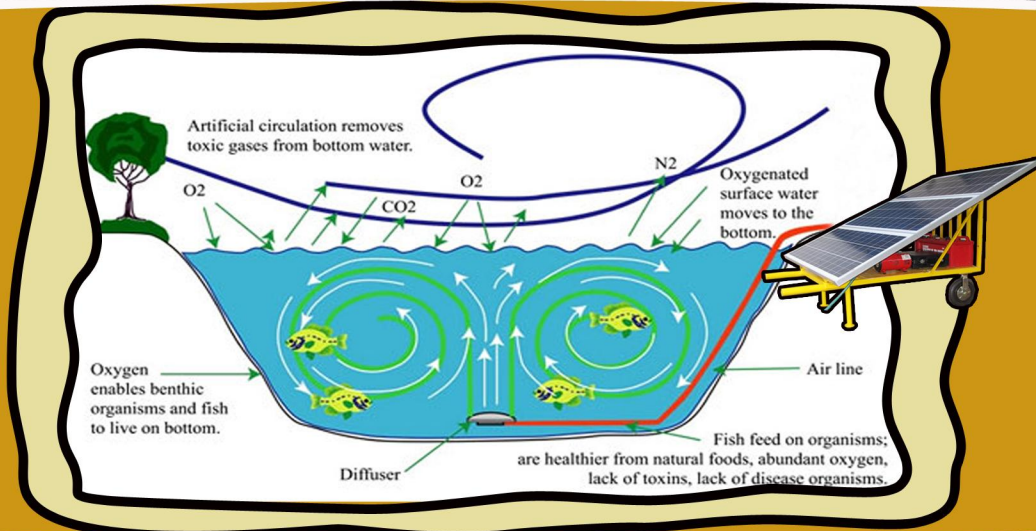
**Save Electricity,  
Save Diesel  
Earn Quick Payback  
ON Costs**



**SUPERNOVA**  
TECHNOLOGIES PVT. LTD.



## How Supernova Mobile Solar Aerator works:



## Mobile Solar Pond Aeration for 3 acre Lake

Aeration is a process of dissolving air to the water for restoring a waterbody to its healthy state, during this process the oxygen in the air gets dissolved and raises DO level of water. It is necessary to get oxygen down to the bottom of the lake for bed aeration this not only adds oxygen to the surface water but to the water at the bottom of the lake.

Mobile turn-key solar power pond aeration system is the best alternative to a conventional power from grid or diesel engine pond aeration system. We have designed indigenous solar pond aerators for boosting up the production of shrimps, fishes and such other aquatic animal farming.

Solar lake bed aeration is extremely important to the health of isolated ponds, even Swimming pools, Golf course ponds, and farm ponds, Stagnation problems are eliminated with our solar pond aeration systems. We also use the aeration system for the hog waste industry problems to increase the decomposition of swine and other livestock waste issues. Call us to discuss your solar aeration options.

## FEATURES

- Oiless Pump with low current consumption for continuous duty operation
- Battery, charge controller, auto controller and high efficiency Pump & Water proof solar Weather shed.
- External accessories diffuser, anchor, PVC pipe and Electronic algie & virus control device through metal ions.
- Photovoltaic panels are sized to fit your system for maximum output & Shortest payback period of 3 Years.
- Aeration Diffuser – Provision of both Tube and Disc type diffuser Diffuser aerates large volumes of water with high efficiency and multi diffuser can be added to the system.
- Noise less operation, Clog-free system requires no cleaning
- Battery Back Up - System will benefit from 24 hour continuous run time
- Dual Charger – Solar and grid charging system
- Auto Controller- Time can be programmed for different modes of day, night and 24 hours so there will be no requirement of any manpower for operation..



Lake before Aeration



Lake after Aeration process



Initial Aeration



Slow Aeration



Fast Aeration