

SunSonix™

SunSonix™ is an environmentally safe, POWER GENERATING AND ENERGY STORAGE system designed to run on clean solar power, which then powers your applications. The solar panel system runs your device(s) and charges the system's lithium batteries during the day. At night, the batteries continue to run your device(s).

BENEFITS

Reduced Biofouling | Reduced Turbidity
Reduced THMs | Reduced HAAs
Reduced pH | Reduced Chlorine Usage
Increased Filter Life | Improved Water Taste
Reduced Water Odors



**COST EFFECTIVE
OPERATION**



**CLEANER,
SAFER WATER**



EASY INSTALL



FAST RESULTS

APPLICATIONS

- Lakes, Reservoirs, Marinas & Docks
- Wastewater Treatment Facilities
- Irrigation Basins
- Clarifiers and Sedimentation Basins
- UV Chambers
- Distribution Water Tanks
- Ponds, Pools, Fountains and Aquariums
- Aquaculture and Agriculture
- *Endless possibilities*



ABOUT HYDRO BIOSCIENCE

Since 2016, Hydro BioScience, LLC (HBS) and Diversified Power International, LLC (DPI), have been pioneers of worldwide patented Ultrasonic Algae Remediation systems and technology, as proven through thousands of system installations. As stewards of the environment, with regard for public safety, HBS is driven to lower the chemical footprint. Through continued scientific research and product innovation, HBS commits to providing you, our valued customer, with ever improving functionality, quality, and affordability.



**HBS IN HOUSE
MANUFACTURING**



**MULTIPLE
CARRIER OPTIONS**



**TIMELY,
ECONOMICAL DELIVERY**

SunSonix™ ships in a standard courier box at approx. 25kg (55lbs), reducing costly delivery fees and freight delays.



CONTROL EQUIPMENT COMPANY
Supplier to Water & Wastewater Facilities

www.cec-online.com
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CONTROL EQUIPMENT COMPANY
Supplier to Water & Wastewater Facilities

SunSonix™ Land Based Solar

Manufactured by Hydro Bioscience



**Algae Remediation &
Water Quality
Monitoring Systems**

EPA Registered | Worldwide Patent
Safe for People and Pets

SunSonix™

LAND BASED SOLAR ALGAE REMEDIATION SYSTEM

High efficiency solar controller with intelligent wireless & serial communications.

High Energy Density, ultra-light weight battery.

Ample energy collection from the high-wattage solar panel and battery storage capacity allows SunSonix™ to properly power up to two HBS Mezzo-DB® or Quattro-DB® Ultrasonic Algae Control Transducers.

3YR Limited Warranty.

EASY INSTALL & OPERATION

System is virtually 100% complete, install in less than an hour, in 4 simple steps:

- Install the post. Fine gravel or concrete is recommended.
- Attach solar panel to post.
- Run cabling from solar controller to transducer.
- Position solar panel with simple rotation and tilt.

Our ultrasonic transducers operate on safe, low current, power supplies.

Pre-wired at our factory for the solar controller, panels and battery packs.

Bluetooth is standard on all products with an effective range up to approximately 100 meters.

Light weight solar controller, battery packs and optional modem are mounted on the back of the solar panel.



SOLAR CONTROLLER

- Connects to our land or raft based solar panels.
- Correctly manages battery charging and powers up to 2 sonic heads.
- Wireless and Serial communications are built in.

LITHIUM BATTERY PACKS

- Ultra-light weight, higher cycle life, quicker charging and lower self-discharge compared to SLA batteries.
- Delivering the best performance in the most extreme environments.

SONIC HEAD TRANSDUCERS

New uni-body design, IP68 enclosures | Ultra slick polymer construction reduces bio-fouling on exterior | Multiple bio-fouling options include coatings and UV modules | Interior cavity is completely potted for a watertight seal

QUATTRO-DB®

Quattro-DB® emits thousands of ultrasonic frequencies in a 360°, linear, and line of sight pattern, managing:

- Up to 120 acres for Blue-Green Algae
- Up to 17.5 acres for Green Algae
- Up to 2.8 acres for Biofilm & Diatoms

MEZZO-DB®

Mezzo-DB® operates in a bidirectional pattern for narrow channeled applications.

Included in your Algae Management System:

- Power Supply
- Warning | Position Flag
- High Visibility Buoy*
- 316 Stainless Steel Chains
- Custom length cabling ordered to suit your application, up to several hundred meters.



*Several buoy options available, including harsh environment and low visibility.

Cabling can be buried for added protection from elements, wildlife etc. Once submerged, cabling sinks to the floor.

MyQuattro™ Available on Android COMING SOON for iOS

Partial list of algae species affected by our patented systems: Aphanizomenon, Cyclotella, Pseudanabaena, Anabaena, Dictyosphaerium, Phacus, Aphanochaete, Fragilaria, Pinnularia, Arcella, Gloeocystis, Planktothrix, Gomphonema, Chlamydomonas, Lagerheimia, Chlorella, Lyngbya, Chroococcus, Micractinium, Spirogyra, Coelastrum, Staurastrum, Microcystis, Cosmarium, Tabellaria, Crucigenia, Nitzschia, Tribonema, Ulothrix, Botryococcus braunii, Rhodomonas minuta, Tetradasmus acuminatus, Scenedesmus quadricauda, Merismopedia tenuissima, Sphaerocystis schroeteri, Chloromonas reticulata, Navicula minima, Cryptomonas erosa, and Oocystis pusilla



HBS products, such as the algae management & monitoring systems, are patent pending or patented in various countries worldwide. All products advertised, excluding solar panels are PROPRIETARY HBS, LLC PRODUCTS.