SunSonix™ Solar Power System

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

With SunSonix™ you can easily power two Quattro-DB ultrasonic algae remediation transducers *AND* access Water Quality Data, such as: Temperature | Conductivity Salinity | TDS | pH | ORP | Ammonia | Nitrates Dissolved Oxygen | Turbidity | Chlororphyll Blue-Green Algae | Phosphates | and more*

COST EFFECTIVE OPERATION

CLEANER, SAFER WATER

EASY INSTALL

FAST RESULTS

Eco Driven Solutions®

Connect with HBS:

HBS'S PATENTED TECHNOLOGY OFFERS WHAT NO OTHER COMPETITOR OR COMPETING PRODUCT CAN:

- The greatest number of ultrasonic frequencies within the industry
- 10's of thousands of discrete frequencies
- Thousands of organized bandwidths Highest
- sound pressure output per watt used
- Greatest area coverage while using the lowest power consumption needed Lightest weight –
- lowest shipping cost Easiest deployment in
- under an hour
- No Ultrasonic Emission Dead Zones
- ***Lowest Product Cost***

APPLICATIONS

Water Treatment Facilities
Wastewater Treatment Facilities
Lakes, Reservoirs, Marinas & Docks
Lagoons & Irrigation Ponds
Clarifiers and Sedimentation Basins
Water Tanks, Cisterns, Fountains
Aquaculture and Agriculture
...Endless possibilities

ABOUT US

Since 2016, Hydro BioScience, LLC (HBS) & Diversified Power International, LLC (DPI) pioneered algae and biofilm remediation through worldwide patented technology and innovation. We are the inventors of the 360-degree ultrasonic algae remediation technology shown to be effective in thousands of worldwide installations.

Our Mission: As environmental stewards with regard for public safety, HBS strives 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.

414 Century Ct, Piney Flats TN, 37686
info@hydrobioscience.com
www.hydrobioscience.com
888.500.5011
MKTG0007-V001

HBS™ HYDRO BIOSCIENCE

SunSonix™

Up to 200W Land Solar With Algae Remediation GPS Telemetry Water Quality Monitoring Battery Energy Storage

EPA Est. No. 95328-TN-1
Worldwide Patent

SunSonix™

LAND BASED SOLAR ALGAE REMEDIATION SYSTEM

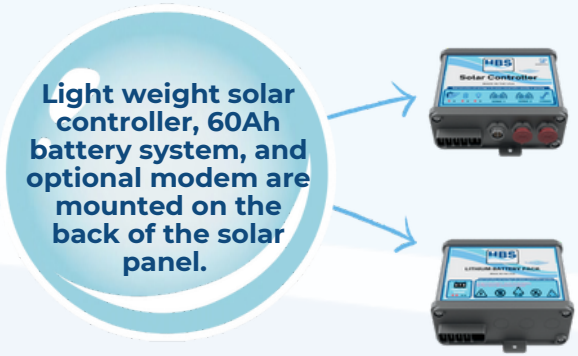
High efficiency solar controller with intelligent wireless & serial communications. High Energy Density, ultra-light weight battery. Ample energy collection from the high-wattage solar panel and battery storage capacity allows SunSonix™ to properly power up to two HBS Quattro-DB® Ultrasonic Algae Control Transducers.

The SunSonix™ System is highly configurable. As a base unit, it may be used for many different customized applications.

EASY INSTALL & OPERATION

System is virtually pre-assembled and installs in less than an hour with 4 *simple* steps:

- Install the post into hole and fill with gravel.
- 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 80 meters.

SOLAR CONTROLLER

- Connects to a land or raft based solar panel powered system.
- Correctly manages batter charging and powers up to 2 sonic heads.
- Standard wireless and serial communications

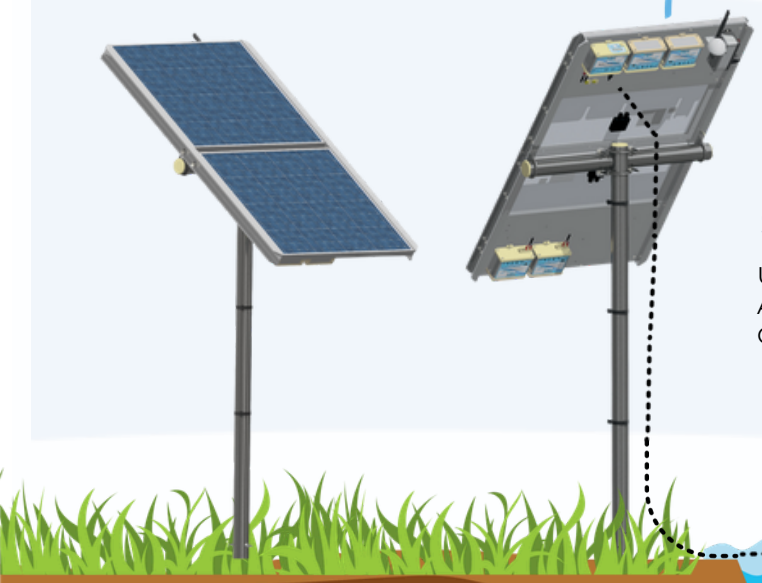
LITHIUM BATTERY PACKS

- 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.
- IP68 Rated

SONIC HEAD TRANSDUCERS

Uni-body IP68 designed enclosures | Ultra slick polymer construction reduces biofouling on exterior
Anti biofouling coating available | Completely potted waterproof seal with IP68 rated connectors
Certified NSF61, REACH and RoHS compliant materials | 3-Year Warranty

The SunSonix™ ships in a standard courier corrogated box. Its approximate dimensions and weight are 152x76x30cm (60x30x12in), 59kg (130lbs)
Greatly reduced delivery costs and freight delays.

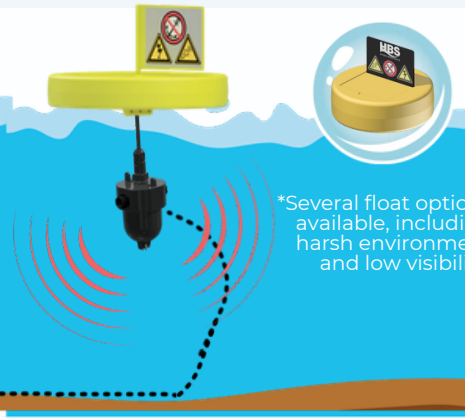


Cabling can be buried for added protection from elements, wildlife etc. Once submerged, cabling sinks to the floor.

MyQuattro™
Available on Android *and* iOS

Included in your Algae Management System:

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



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

Partial list of algae species potentially 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, Tetradesmus acuminatus, Scenedesmus quadricauda, Merismopedia tenuissima, Sphaerocystis schroeteri, Chloromonas reticulata, Navicula minima, Cryptomonas erosa, and Oocystis pusilla

HBS™ HYDRO BIOSCIENCE

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.