REAL TIME MONITORING

The SolaRaft-iQM™ provides a variety of telemetry solutions for remote, real-time monitoring. Convenient, accessible, available when you need it.

- View your water quality data online, anywhere internet is available
- Customizable charts, graphs and units of measure
- Tailored alarms, warnings, and parameters to suit your needs
- Reporting made easy with simple download and sharing options

BENEFITS

With SolaRaft- iQM™ you can easily access Water Quality Data, such as: Temperature | Conductivity Salinity | TDS | pH | ORP | Ammonia | Nitrates Dissolved Oxygen | Turbidity | Chlororphyll Blue-Green Algae | Phosphates | and more*

AFFORDABLE

ACCESSIBLE

EASY

CUSTOMIZABLE

ANYTIME, ANYWHERE

We are certain you'll love the convenience of our real-time monitoring system - MyH2Oinfo™ and MyQuattro™. MyQuattro™ is a Smartphone based App which connects to the system's Bluetooth® to monitor voltage and state of health. Available on Android and IOS.

*Probe sold separately; dealer pricing available.
**With system purchase. Mobile data rates may apply.

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 –no hand tools needed
- 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.

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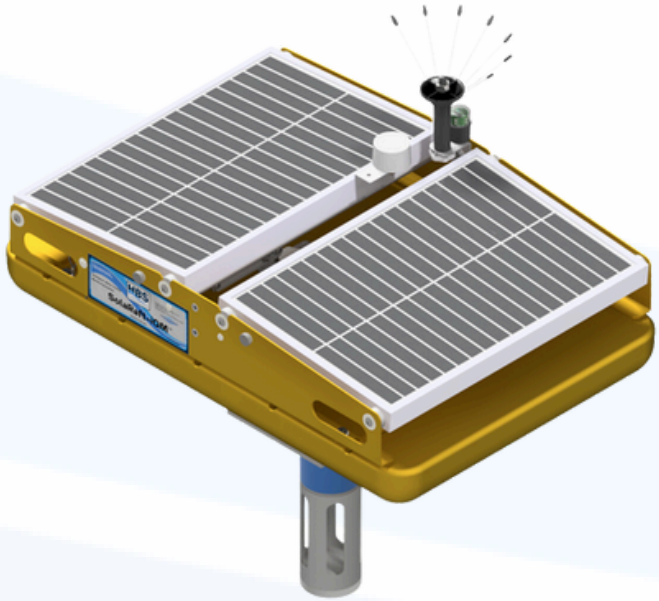
www.hydro-bioscience.com
888.500.5011
MKTG0003-V001

HBS™
HYDRO BIOSCIENCE

SolaRaft-iQM™



40W Solar Float
GPS Telemetry
Intelligent Water Quality Monitoring
Battery Energy Storage

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

SolaRaft-iQM™

INTELLIGENT WATER QUALITY MONITORING SYSTEM

HBS™
HYDRO BIOSCIENCE

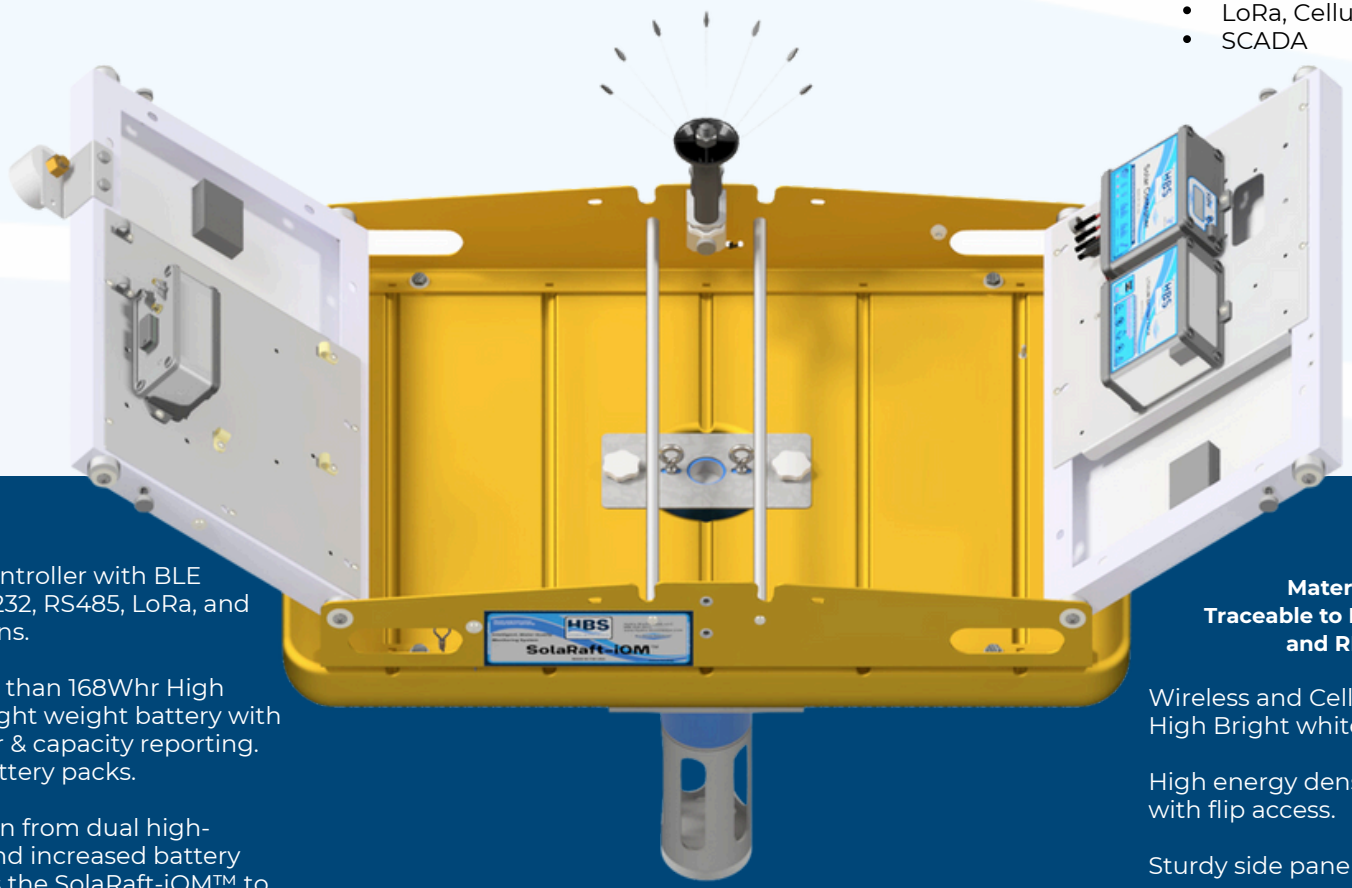
DELIVERED PRE-ASSEMBLED

TOOLS NOT REQUIRED

Cellular& Serial Communications link Data broadcast includes:

- Impact/Shock Notification
- GPS/GNSS Location Services
- Battery Status
- Solar Panel Status
- Sensor Data
- Customizable Alarm Events
- LoRa, Cellular, GPS, RS232, RS485
- SCADA

DEPLOYABLE IN UNDER 10 MIN



FEATURES

High efficiency solar controller with BLE intelligent wireless, RS232, RS485, LoRa, and Cellular communications.

Standard 10Ah, Greater than 168Whr High Energy Density, ultra-light weight battery with Energy Status indicator & capacity reporting. Room for additional battery packs.

Ample energy collection from dual high-wattage solar panels and increased battery storage capacity allows the SolaRaft-iQM™ to properly power the Water Quality Monitoring Multiprobe with up to 13 customized sensors, navigation light, and modem with 4G cellular communications/2G fallback.

The Solaraft-iQM™ float is highly configurable. As a base unit, it may be used for many different customized applications.

Standard Manufacturer 3-Year Warranty.

Measures:
Length: 86cm (34 inches)
Width: 62cm (24 inches)
Height: 43cm (17 inches)
Weight: 25 kg (55 lbs)

Very easy field install.
Minor Hand Assembly only.
No field tools needed.

Materials Quality Statement:
Traceable to NSF61 (excluding Solar Panels) and REACH/RoHS compliant.

Wireless and Cellular communications antenna. High Bright white LED light beacon.

High energy density, high efficiency, solar panels with flip access.

Sturdy side panels with hand lift access holes.

Lightweight, Hydro-Dynamic Instrumentation Yellow, Impact Resistant Float.

Multi-Sensor probe with multiple arrays of monitoring sensors and sonde units available. This makes tailoring a system specifically to your application, simple. While probes are tested and proven to exhibit minimal biofouling, an optional Extended Turbidity wiper is available.

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

Connect with HBS:

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.