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| GREEN ENERGY LEADING COMPANY |



# WaterBoat

Energy Independent Eco-friendly Unmanned WaterBoat



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- **An innovative eco-friendly boat** which produces hydrogen using water electrolysis device powered by solar energy and uses it as fuel.
- Provides sustainable and eco-friendly navigation by producing and storing its own energy **without external power supply**



**Patent registered**

Korea (10-2005805)
 USA (11,014,837)
 China (ZL201910486263.0)
 Japan (6829743)

Self contained oceanic drone and method for oceanographic survey and surveillance

( **Key Features** )

**02 Energy Production**

Hydrogen is used in PEM fuel cell system to generate electricity

**03 Energy Storage**

Self-generated eco-friendly energy is stored in ESS battery

**01 Hydrogen Production**

Hydrogen is produced in a water electrolysis system powered by renewable energy



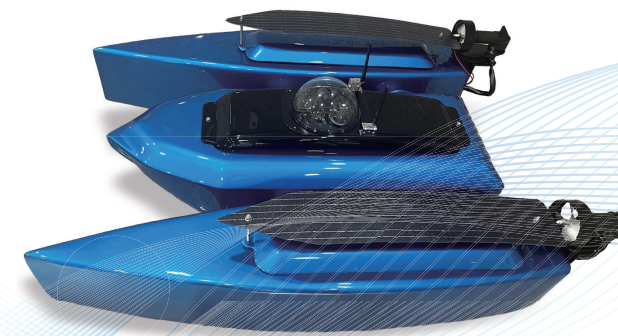
**Integrated Management Platform**

Optimizes power generation and utilization based on A-IoT and ensures safe navigation and efficient mission execution of the WaterBoat product features

**04 Boat Navigation**

The stored energy supports the boat's long-term voyages by minimizing port calls

( **Specification** )



Model	WB-M1	WB-UM2
Operation Mode	Manned	Unmanned
Electric Motor Output	5.0 BHP	2.0 BHP
Fuel Cell Output	3,000 W	300 W
Weight	3,000 kg	50 kg
Hydrogen Production Rate	40 L/min	4 L/min

( **Product Features** )



**Eco-friendly boat powered by water**

- Produces hydrogen through solar-powered water electrolysis, generates electrical energy via hydrogen fuel cells
- Stores excess energy in batteries for continued operation

**1 bottle of water = 1 hour of operation**

- Uses pure water, the next-generation carbon-free fuel for carbon neutrality
- Operates for 1 hour with 1 bottle of water



**Independent green hydrogen boat**

- Development of a small boat that can be driven by people through large-scale electrolysis and fuel cell modules
- Customized production through exclusive technology

**Unmanned hydrogen boat**

- Unmanned boats can be manufactured through sensors and equipment tailored to customer-specific purposes such as weather data collection, firefighting, and crime prevention

