



BORNEO EXPLORER

MARINE SURVEY USV PLATFORM

8 DAYS @ 4KN ENDURANCE | 500KG PAYLOAD

MBES | SUB-BOTTOM PROFILER | SIDE SCAN SONAR | MAGNETOMETER

NOTICE: Particulars are believed to be correct and subject to revision without prior notice. Interested parties must inspect vessel to check on suitability of the Company's equipment. Company has exercised due diligence to ensure that the data contained herein is reasonably accurate. However, the Company does not warrant the accuracy or completeness of the data. In no event shall the Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein.



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APPLICATION SCENARIOS

- Offshore wind site and cable route survey
- Offshore oil and gas pipeline inspection
- Channel, harbor, and nearshore survey
- Environmental monitoring, seabed mapping

INTEGRATIONS

MBES USBL ADCP

Side Scan Sonar Magnetometer

Water Quality Sonde Sub-bottom Profiler

Towing Support Magnetometer / Side Scan Sonar



MBES



Sub-bottom Profiler



Side Scan Sonar



Magnetometer

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TECHNICAL SPECIFICATIONS

PHYSICAL

Dimension	8.4m(L) x 2.8m(W) x 2.8m(H)
Dry Weight	3t
Draught	0.4m
Hull Type	Aluminium Catamaran
Fuel Tank Capacity	400L x 2 (diesel)

PERFORMANCE

Payload	500kg
Max Speed	6 kn
Survey Speed	4 ~ 5 kn
Endurance	8 days / 1500km @ 4kn
Operation Sea State	Sea State III

POWER & PROPULSION

Diesel Generator (2 sets)	PAGURO 18VK, 18kW/set, water cooling
Electric Propeller (4 sets)	NAVY 6.0 Evo-L, 6kW/set
Power Batteries	Li-ion iron phosphate battery, 51.2V/280Ah

INTEGRATION SUPPORT

Auto Lifter (2 sets)	850mm, hydraulic drive, IP65 protection
Towing System	Dynamic load ≤50kg, static load ≤75kg
Power Supply Interface	12V/24V DC total power 300W 220VAC total power 1700W

CONTROL & COMMUNICATION

Starlink Communication Terminal	220Mbps down-link/25Mbps uplink, IP56 protection
Broadband Private Network Radio	1.4GHz, coverage distance 10-15km
Iridium Digital Transmission Terminal	Support short data transmission and positioning



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