fliteboard

Configure yours at fliteboard.com

Flitecell.
Unparalleled performance.

Flitecell Explore
40 AH
2.1KWh capacity
1hr – 2hr run time
up to 35km Range.

– Highest density Li-Ion cells

– Custom BMS
(Battery management system)

– Multiple and redundant safety features such as water ingress detection, safe shutdown and onboard temperature monitoring.

Plug & play simplicity.
Patented Flitebox.

Drivetrain electronics are located in a waterproof, heat dissipating housing integral to the mast assembly. This 'plug & play' system creates significant advantages.

1. The motor controller is permanently connected to the motor. Avoids connecting 3-phase connectors each ride.

2. Aluminium mast with heat-sink uses the flow of water to cool the motor, unlike other systems which require tubes that can get clogged.

3. Removable for easy service logistics

Effortless Propulsion
Patented Unibody fuselage

Positions the thrust directly behind the front wing, instead of above the fuselage in a separate enclosure. Advanatges:

1. Superior stability regardless of the amount of thrust.

2. Less wetted surface area. Less drag and greater efficiency.

3. Aluminium being an excellent heat conductor, efficiently cools the motor operating in water. One piece of aluminium reduces potential for breakage by avoiding combining metals and plastics with fasteners found in other systems.

4. Featuring a custom made reduction gearbox, which generates greater torque from a higher spinning motor, Fliteboard has the smallest diameter motor on the market at just 60mm – this results in better hydrodynamic efficiency and therefore improved performance.

5. The low position of the motor gives riders more useable mast-length to ride higher above the chop and carve tighter turns with greater lean angles without the motor breaching the surface.

Fliteboard & Controller

Fliteboard logs and stores 35 data parameters, twice a second via onboard trip computer.

GPS + bluetooth connectivity that provides real time data; speed, distance, elapsed time, remaining time, efficiency in Watt Hours per Kilometre, battery current, battery temperature, motor controller temperature and RPM.

Patent pending throttle control uses the combination of trigger and 20 power levels to provide a personal "cruise control" function. This means that riders don't need to balance the throttle trigger while trying to balance the hydrofoil. Making for a much easier learning experience.

Smart electronic safety systems
Fliteboard uses a magnetic 'virtual leash' system requiring users to arm the motor by waving the handset over a pad on the nose of the board in order to operate the motor.

Accelerometer constantly measures board angle and will instantly cut off when failing.

Flite APP allows users to replay rides and can be used for service diagnostics.

Interchangable Wings
Designed by hydrodynamicists – who also designed foils for America's Cup yachts. Crafted from high-compression carbon fibre for unbeatable stability and maximum strength.

reddot winner 2020
best of the best

GOOD DESIGN AWARD GOLD WINNER

INTERNATIONAL DESIGN EXCELLENCE AWARDS

GERMAN DESIGN AWARD 2020

AUSTRALIA by DESIGN
INNOVATION OF THE YEAR