

Technical Specifications

Speed	Up to 45 kph
Tested Load Range	100 kg / 220 lbs
Run Time 85 kg rider	Up to 1 hr 20 min Flitecell Explore

Board Details	KG	MM	L
Fliteboard PRO	9.95	1550 x 600	70
Fliteboard	11.85	1735 x 650	100
Fliteboard AIR	11.85	1930 x 770	175

Fliteboard AIR Materials

Type	Inflatable
Material	Grey Selytech Composite Super Light Drop Stitch Fabric / PVC / EVA
Pressure	18 PSI

Fliteboard & Fliteboard PRO Materials

Material	Carbon Fiber, Innegra, aircraft grade aluminium, high quality wood laminates and composites.
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eFoil System

Input power	5,000 Watts
Output power at shaft	3,700 Watts
Nominal Voltage	50.4v
Maximum Current	100 AMPS
Motor Type	Brushless
Motor Speed	4650 rpm Propeller peak
Protections	Overheating, overcurrent
Propeller Diameter	142mm
Propeller Guard	155mm

Travel Case

Fliteboard Pro	1630 X 700 X 170mm
Fliteboard	1800 x 760 x 170mm
Fliteboard Air	600 x 1220 x 300mm
Efoil Case	1100 x 640 x 260mm
Battery Case	510 x 40 x 190mm

Flite Controller

Communication Type	Bluetooth
Speed Control	20 step display
Runtime	Average charged > 24 hrs Standby > 200 hrs.
Rated cycles	700 and 1000 charge cycles
Protection Grade	IP67

Flitecell / Battery

Size	390mm x 390mm x 80mm
Capacity	40Ah / 2.1KWh
Weight	13.9kg
Protection	IP67
Chemistry	LiNiCoAlO2
Max Charge Voltage	58.8v
Min Voltage	42v
Nominal Voltage	50.4v
Rated Continuous Discharge Current	100a
Rated Charge Current	25a
Rated Cycles >80% Capacity	600-800 Cycles
Temperature Discharge Limits	0-70 Degrees C
Temperature Charge Limits	10-45 Degrees C
Communication	CANBus Protocol 2.0b
BMS Critical Functions	Balancing, Over-temperature (Charge / Discharge), Over-Current, Short-Circuit Protection, Reverse polarity and over & under voltage
Other Safety	3 levels of fusing adds redundancy if BMS failure occurs. Conformal / Resin coatings used on PCB's and Cells (UL94-0)

Standard Charger

Charging Current	15 AMP / 48 VOLTS
Charge Time	3 hr 15 min

Fast Charger

Charging Current	20 AMP
Charge Time	2 hr