INNOVATION

# ECOPULSE

## THE MOST ECONOMICAL OF THE EXISTING SMALL BOATS

**ECOPULSE** is available in two versions: Trimaran and Prao.
It is lightweight, safe, seaworthy, multi-seater, quiet, dismountable, and easily transportable. It can accommodate a 3.6 m² sail, enabling hybrid operation and saving battery power. It is sold with or without the motor and battery kit. With a 1200-watt motor, at 12 km/h, it can limit its electricity consumption to 0.08 kwh per kilometer traveled, or 1 euro cent per km.

With a high performance 60 Ah battery, its range is:

| Speed in km/h | Autonomy in hour | Range in distance travelled (Km/Mile) |
|---|---|---|
| 5 | 23 | 115 / 71 |
| 8 | 6,5 | 52 / 32 |
| 11 | 2,6 | 29 / 18 |
| 14 | 1,2 | 17 /11 |

This range can double or triple if 2 or 3 batteries are brought (each with a volume of less than 4 litres).

## FEATURES

| | Trimaran version | Prao version |
|---|---|---|
| Dimensions Length x Width x Height in cm | 520 x 185 x 80 | 520 x 136 x 80 |
| Weight in Kg/Lbs with a 1200 w motor and 60 Ah battery | 78/172 | 68/150 |
| Weight in Kg/Lbs without motor and battery | 63/139 | 53/117 |
| Floatability in liters | 476 | 357 |
| Maximum recommended load in Kg/Lbs | 200/440 | 170/385 |
| Draft in cm | 40 | 40 |
| Sailing category | D | D |

## OPTIONS AND ADDITIONAL INFORMATION

The motor is installed in a dedicated compartment located in front of the driver. Mounting the motor takes less than a minute. The 60 Ah Lithium battery is housed in a waterproof casing. It is connected with an Anderson-type plug. It recharges at home in 6 hours.
Launching is done using a lightweight trolley that can roll on sand.
We have selected three sets of motor and battery, for their performance, reliability, quiet operation, smoothness, and ease of use :

| Motor power | Battery | | Weight in Kg/Lbs | | Maximum speed km/h |
|---|---|---|---|---|---|
| | Capacity | Voltage | Motor | Battery | |
| 350 W | 20 Ah | 24 V | 1,5/3 | 3,5/8 | 8 |
| 1200 W | 60 Ah | 24 V | 10/22 | 6/13 | 14 |
| 2400 W | 50 Ah | 48 V | 13/29 | 10/22 | 16 |

The throttle offers: forward, stop, and reverse, with precise, progressive and pleasant power control.
It's easy to ride, even for a young child.
The battery level is indicated by a voltmeter located on the motor, clearly visible in all weather conditions.
With its motor rotating on its axis, the **ECOPULSE** can move in all directions: 180° rotation: reverse.
90° rotation to the right or left: lateral movement, etc.

| Motor installation | Motor mounting | Launching |
|---|---|---|
| | | |

**ECOPULSE** is certified compliant with European Directive No. 2013/53/EU of 20/11/2013 on recreational craft, in category D.

**See the video**

ECOPULSE *made by*

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L'AQUAPHILE
WATER LOVER & WATER POWER
Made in France