

Specifications





	Sprit 1	Sprit 2
Nominal Power	1 kW	2 kW
Maximum Power (in Boost Mode)*	1.5 kW	3 kW
Battery Capacity	1539 Wh	1539 Wh
Motor Weight (excluding bracket)	XS: 9.2 kg S: 9.4 kg L: 9.6 kg	XS: 10.1 kg S: 10.4 kg L: 10.6 kg
Motor Weight (including bracket)	XS: 11.8 kg S: 12 kg L: 12.2 kg	XS: 12.7 kg S: 13.0 kg L: 13.2 kg
Battery Weight	10.4 kg	10.4 kg
Battery Life	1000 cycles at 80% SOH	1000 cycles at 80% SOH
Charging Time	Standard charger: 8 Hrs / Fast charger: 2 Hrs	Standard charger: 8 Hrs / Fast charger: 2 Hrs
External Battery	ePropulsion E Series Battery	ePropulsion E Series Battery
Charging Temperature	-15°C - 60°C Charging below 0°C requires the use of fast charger (with battery communication function)	-15°C - 60°C Charging below 0°C requires the use of fast charger (with battery communication function)
Operating Temperature	-25°C to 55°C	-25°C to 55°C
Storage Temperature	-25°C to 70°C	-25°C to 70°C
Rated RPM	950-1400 rpm	1700-2100 rpm
Trim Angle Adjustment	0°, 7°, 14°, 21°	0°, 7°, 14°, 21°
Tilt Angle	70°, 90°	70°, 90°
Shallow Water Mode Tilt Angle	35°	35°
Steering Range	±90°	±90°
Dimensions	XS: 800 x 190 x 920 mm S: 800 x 190 x 1020 mm L: 800 x 190 x 1145 mm	XS: 825 x 190 x 915 mm S: 825 x 190 x 1015 mm L: 825 x 190 x 1140 mm
Propeller	2-blade composite propeller, diameter 270 mm, pitch 208 mm	2-blade composite propeller, diameter 240mm, pitch 179mm

* Boost mode functionality is only available on the Spirit Tiller Version. It can last up to 1 minute with a minimum battery state of charge (SOC) of 20%, and the temperature must be within safe limits.

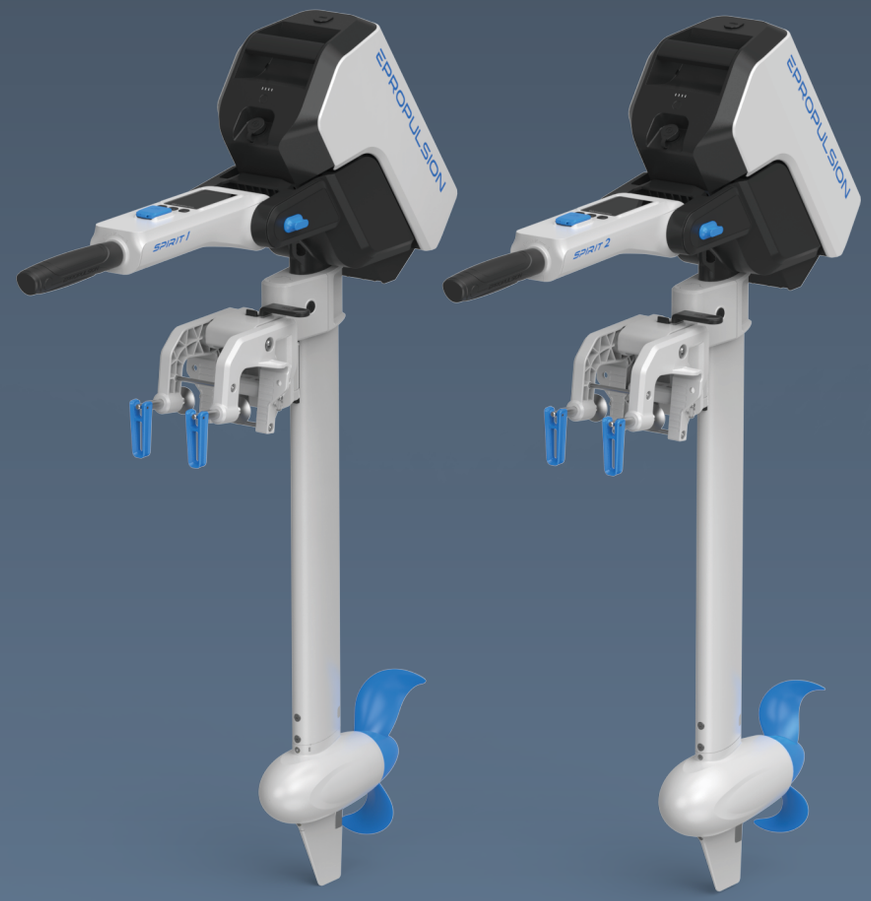
www.epropulsion.com

Follow ePropulsion on

SPIRIT 1 / SPIRIT 2 NEW

ELECTRIC OUTBOARD 1kW | 2kW

Redesigned for effortless, clean, and reliable boating



EPROPULSION

Product Features

Powerful Performance

High Power

Battery-integrated electric outboard with a 1.5 times boost mode* for 1 min.



*Spirit 1 for 1.5 kW boost mode, Spirit 2 for 3 kW boost mode

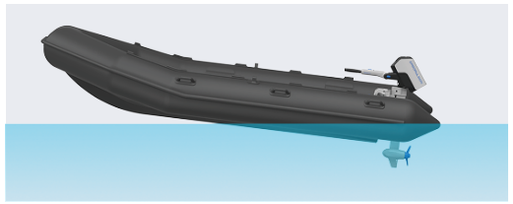
Expanded Battery Capacity

With a 1539 Wh battery, compatible with Spirit 1 and Spirit 2, enjoy an extended range for longer journeys.



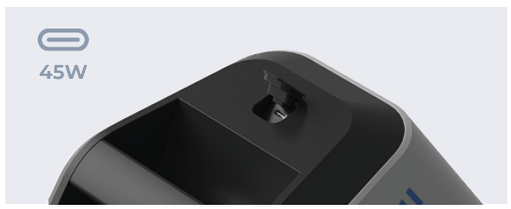
Optimised Performance

Streamlined propeller design optimised for hydrodynamics.



Portable Power Station

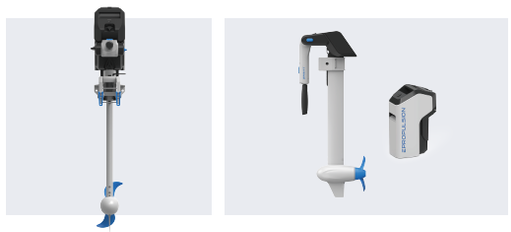
Equipped with a 45 W Type-C port for charging devices.



Portability & Ease of Use

Compact Design

Designed for effortless portability, the Spirit 1 motor weighs just 9.2–9.6 kg, the Spirit 2 motor 10.1–10.6 kg, and the battery 10.4 kg.



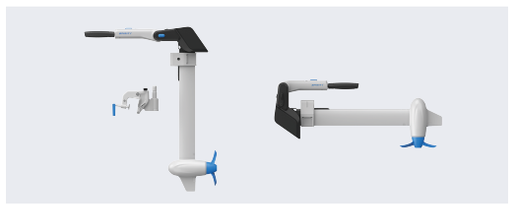
Quick-Connect Battery & Indicator

Hassle-free setup with cable-free battery installation and an indicator for easy monitoring. Check battery status without connecting to the outboard.



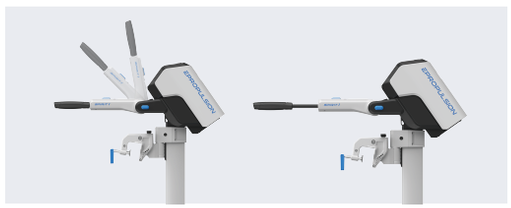
Detachable Clamp & Foldable Tiller with Secure Locking

Easy to leave or remove the motor from the boat, and easy to carry with the 90° foldable tiller.



Tiller Design

With 4-locking positions and a 13.5 cm extension, the tiller allows for adjustable handling, enhancing comfort and control during use.



Clean · Quiet · Eco-friendly · Minimal Maintenance · Hydrogeneration

Innovation & Design

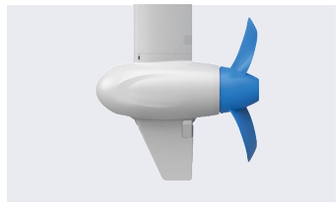
Full-Color Display

Offers a full-color display screen with audio cues to enhance the user experience.



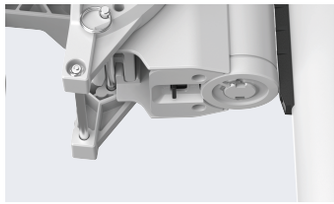
Hydrogeneration Technology

Recharges the battery while sailing, ensuring sustainable power.



Integrated Steering Lock

Secures the motor in a fixed, centered position, allowing you to release the handle and move forward.



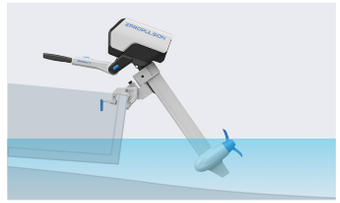
Kill Switch with Pigtail Lead

Featuring enhanced magnetic retention and an anti-slip design.



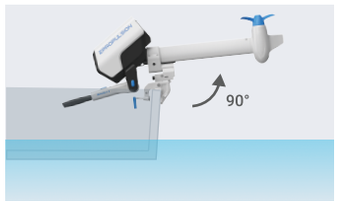
Shallow Water Trimming Position

A 35° trimming position enhances adaptability for different water depths.



Increased Tilt Angle

Increasing the tilt angle to 90° reduces the outboard motor hitting the water during sailing.



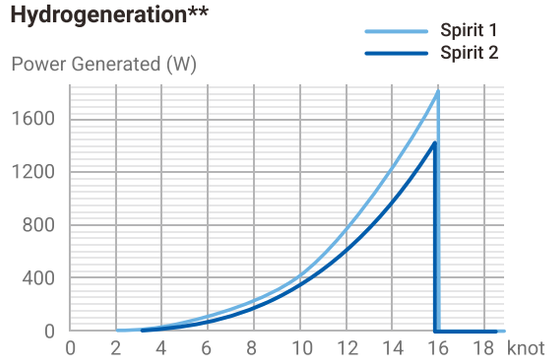
Performance

48V External Battery

Use ePropulsion 48V E-series battery to extend the range.

Battery / Runtime	Spirit 1 Full-Speed	Spirit 1 Half-Speed	Spirit 2 Full-Speed	Spirit 2 Half-Speed
E60 3072 Wh	3 hrs	6 hrs	1.5 hrs	3 hrs
E100 5120 Wh	5 hrs	10 hrs	2.5 hrs	5 hrs
E163 8345 Wh	8 hrs	16 hrs	4 hrs	8 hrs

Hydrogeneration**



Speed and Range**

Spirit 1

POWER (W)	SPEED (KNOTS/MPH/KPH)	RUNNING TIME (HH:MM)	RANGE (NM/MI/KM)
Half Power 500 W	4.6 / 5.3 / 8.5	03:13	14.6 / 16.8 /27
Full Power 1 kW	6.0 / 7.0 / 11.2	01:37	9.2 / 10.6 /17
Boost mode 1.5 kW**	7.3 / 8.4 / 13.5	-	-

Spirit 2

POWER (W)	SPEED (KNOTS/MPH/KPH)	RUNNING TIME (HH:MM)	RANGE (NM/MI/KM)
Half Power 1 kW	5.2 / 6.0 / 9.6	01:48	8.3 / 9.6 / 15.4
Full Power 2 kW	9.5 / 10.9 / 17.5	00:54	7 / 8.1 / 13
Boost mode 3 kW**	11.8 / 13.6 / 21.9		

* Boost mode functionality is only available on the Spirit Tiller Version. It can last up to 1 minute with a minimum battery state of charge (SOC) of 20%, and the temperature must be within safe limits. It can last up to 1 minute with a minimum battery state of charge (SOC) of 20%, and the temperature must be within safe limits.

** This performance data is based on an 11.5-foot aluminum boat weighing 65 kg, with one person and one Spirit battery in calm lake water. Actual speed, range, and running time may vary due to different boat types, loads, weather conditions, and other factors.