



EPROPULSION ELECTRIC BOATING FOR RECREATIONAL MARINE

2026 14 Years of Innovative Electric Marine
Propulsion Systems and Services



Why Electric



Better Experience

Quiet

Designed for exceptionally quiet operation, our electric motors allow relaxed conversation on board while protecting the natural environment.

Clean

There's no fuel, so no risk of spillage or stains on your boat, car or clothing.

Emissions-Free

With no exhaust fumes, our motors keep the air clean and comfortable for you and your crew.



Easier Operation

Reliable

With fewer moving parts, electric motors are inherently less likely to go wrong.

Digitised

Our electronic control systems deliver effortless push button start, intuitive control and instant visibility of key operating data.

Low Maintenance

Electric motors require less maintenance than combustion engines - and are virtually maintenance-free for direct-drive models.



Kinder to the Earth

Renewable Energy Sources

Batteries can be recharged by hydrogenation (a feature of many ePropulsion systems), wind turbines or solar panels.

Cost Effective

Minimal maintenance, and far lower energy costs generate significant savings, especially for commercial users.

Environmentally Friendly

Zero emissions boating supports the environment, enhances wellbeing, and provides access to waters where combustion motors are restricted.

Why ePropulsion

An underwater photograph showing the hull of a boat and a blue propeller. The water is clear and blue, with some bubbles and ripples around the propeller. The hull is white and the propeller is a vibrant blue color.

Product Innovation

We value the insight of our customers and actively welcome their feedback. This shared knowledge drives continuous product development and innovation with a constant focus on improving the user experience. Electric outboards already offer a more enjoyable alternative to combustion engines and our goal is to make using ePropulsion electric outboards the most rewarding experience.

Competitive Pricing

There are many factors that influence the decision to transition from a combustion engine and price is always one of them. Our aim is to deliver top tier products at highly competitive prices without compromising on quality.

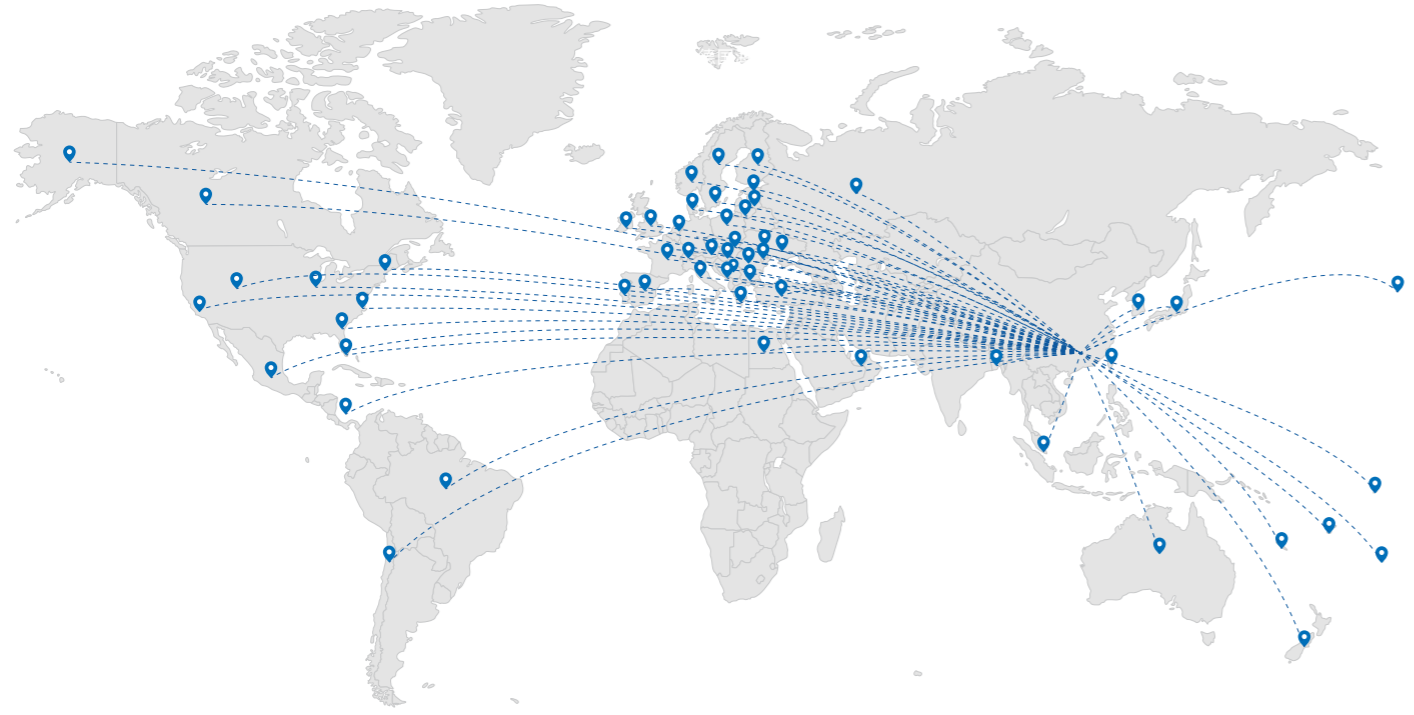
Quality Excellence

The marine environment is unforgiving, which is why we test our products under extreme conditions including heat, cold and salinity in our QA laboratory prior to finalising the design. During production we continue to gather and analyse quality related data to identify potential issues, supporting ongoing product development.

Customer Service

Our global dealer network operates in over 60 countries, providing fast and responsive customer support whenever you need it. This makes ownership of an ePropulsion product straightforward and hassle free.

Global Network



60+
Countries

40+
Strategic-level
Distributors

800+
Dealers

ePropulsion global distributors and dealers:



Innovative Partnership

With a shared commitment to sustainability, ePropulsion partners with SailGP to support clean energy innovation across the sport. Since Season 2, ePropulsion has supplied Spirit 1.0 Evo and Navy 3.0 Evo electric outboard motors for the league's event support tenders, as well as powering SailGP's community, education and outreach programmes.



“ Sport has a powerful role to play in accelerating real-world change. Our partnership with ePropulsion allows us to demonstrate how electric propulsion can perform reliably in demanding environments – all while reducing emissions across our operations. By integrating clean technologies into the day-to-day running of SailGP, we aim to help drive broader adoption across the marine sector. ”

- Iona Neilson, SailGP Head of Impact



ePropulsion partners with the 38th America's Cup, supplying sustainable electric power for autonomous race marks. The Navy 6.0 Evo motor, powered by the E163 battery, drives the AC Bot, reducing fuel consumption and emissions. This collaboration promotes environmental awareness in sailing, aligning with ePropulsion's commitment to sustainability.



“ We're excited to have ePropulsion as a partner, raising awareness of the importance of adopting environmentally friendly technology. ”

-Brent Russell, Head of Technology, AC Media

Product Range

Outboards

eLite 500 W	eLite Longshaft 500 W	Spirit 1.0 Plus 1 kW	Spirit 1.0 Evo 1 kW	Spirit 1.0 Evo Remote 1 kW	Spirit 2 2 kW	Spirit 2 Remote 2 kW	Navy 3.0 Evo 3 kW	Navy 6.0 Evo 6 kW

Outboards

X12 12 kW	X20 20 kW	X40 40 kW

Pod Drives

Pod Drive 1.0 Evo 1 kW	Pod Drive 3.0 Evo 3 kW	Pod Drive 6.0 Evo 6 kW	Pod Drive 12 eSSA 12 kW	Pod Drive 20 eSSA 20 kW

Inboards

I-10 10 kW	I-20 20 kW	I-40 40 kW

Batteries

Spirit Battery Plus* 1276 Wh / 48 V	Spirit 2 Battery 1539 Wh / 48 V	E60 Battery 3072 Wh / 48 V	E163 Battery 8345 Wh / 48 V	E100 Battery 5120 Wh / 100 Ah	G102-100 Battery 10240 Wh / 96 V	G102-230 Battery 23552 Wh / 96V

Controls

Evo Tiller	Evo Remote Control	Smart Side Mount Control Evo	Evo Dual Remote Control	Smart Throttle Smart Display 5"	Smart Display 10" Digital Helm	Smart Side Mount Control eSSA	Smart Control Joystick	Smart Tiller

* Also applicable to Spirit 1.0 Evo & Spirit 1.0 Evo Remote

Versatile Applications

For Sailboats

ePropulsion electric outboards provide quiet, agile marina manoeuvring for one design sailboats. Our Pod drives offer a space saving, low noise and vibration free solution for daysailers and small cruising yachts, while hydrogenation and solar charging enable longer, more sustainable journeys.

For Fishing Boats

When fishing, silence matters. Electric outboards allow you to approach your fishing grounds without disturbance and perform efficiently at trolling speeds for long periods while consuming very little energy.

For Work Boats

With fewer components and a straightforward design, electric outboard motors offer a reliable solution with minimal maintenance. This makes them well suited to workboats, commercial vessels and rental fleets that need to operate for extended periods, while providing a quieter, cleaner experience for passengers.

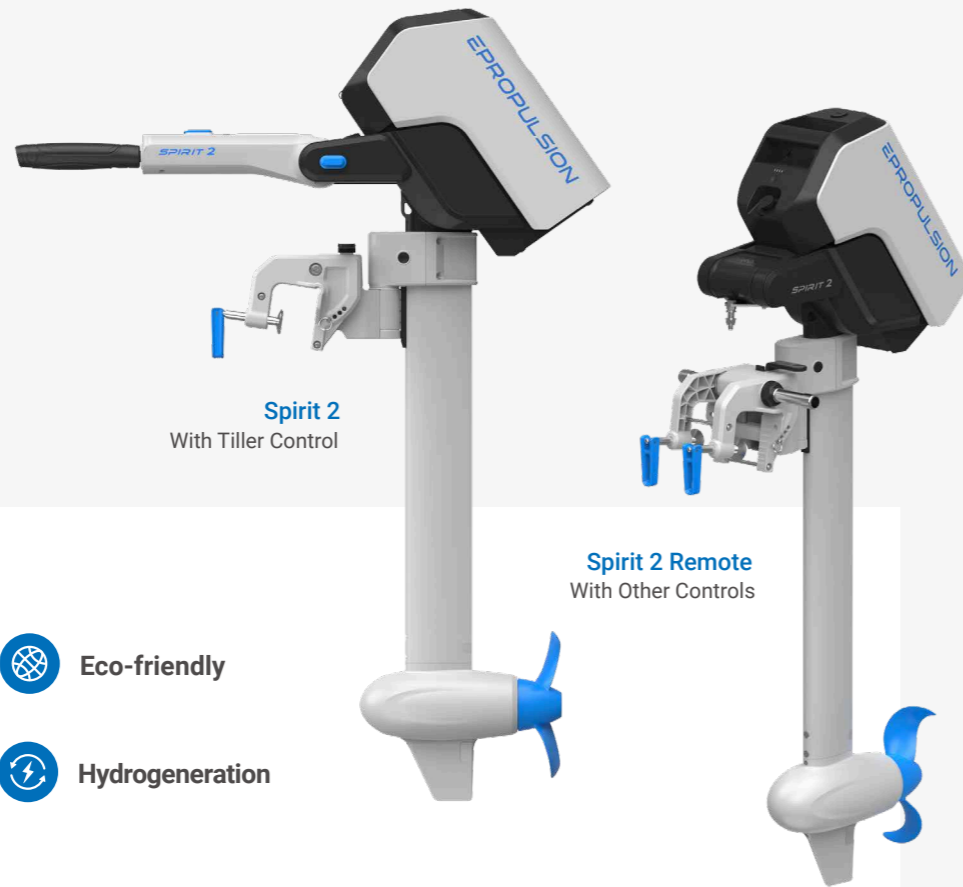
For Dinghies & Tenders

Our electric outboards are a popular choice for owners of inflatables, tenders and sailing dinghies. High capacity batteries and intuitive digital displays provide confidence on the water, and low maintenance requirements help to reduce ongoing costs.



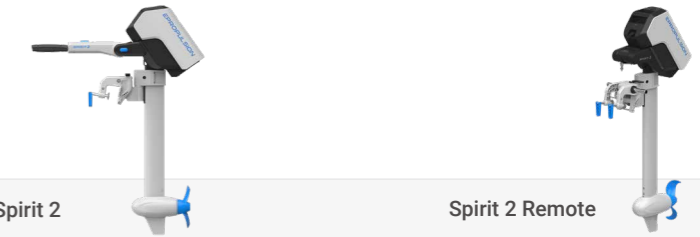
Spirit 2 New Electric Outboard Motor

2 kW / 1539 Wh



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

Specs



	Spirit 2	Spirit 2 Remote
Nominal Power	2 kW	
Maximum Power (in Sport Mode)	3 kW	
Battery Capacity	1539 Wh	
Motor Weight (excluding bracket)	XS: 10.1 kg / 22.5 lbs S: 10.4 kg / 22.9 lbs L: 10.6kg / 23.6 lbs	S: 9.2 kg / 20.3 lbs L: 9.5 kg / 20.9 lbs
Motor Weight (including bracket)	XS: 12.7 kg / 28.0 lbs S: 13 kg / 28.7 lbs L: 13.2 kg / 29.1 lbs	S: 12.2 kg / 26.9 lbs L: 12.5 kg / 27.6 lbs
Battery Weight	10.4 kg / 23.0 lbs	
Battery Life	1000 cycles at 80% SoH	
Charging Time	Standard charger: 8 Hrs / Fast charger: 2 Hrs	
External 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)	
Operating Temperature	-10°C - 65°C	
Storage Temperature	5°C - 40°C	
Rated RPM	1700 to 2100	
Trim Angle Adjustment	0°, 7°, 14°, 21°	
Tilt Angle	70°, 90°	
Shallow Water Mode Tilt Angle	35°	
Steering Range	±90°	
Dimensions	XS: 410 × 190 × 915 mm / 16.1 x 7.5 x 36.0 in S: 410 × 190 × 1015 mm / 16.1 x 7.5 x 40.0 in L: 410 x 190 x 1140 mm / 16.1 x 7.5 x 44.9 in	S: 423 × 295 × 1015 mm / 16.7 x 11.6 x 40.0 in L: 423 x 295 x 1140 mm / 16.7 x 11.6 x 44.9 in
Propeller	2-blade composite propeller, diameter 240mm, pitch 167mm	

Powerful Performance

High Power

2 kW battery-integrated electric outboard with a 3 kW boost mode for 1 min.



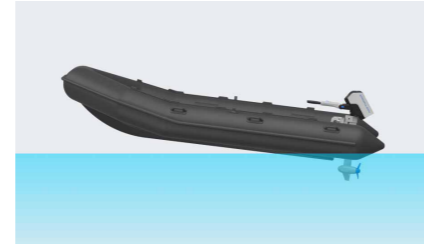
Expanded Battery Capacity

With a 1539 Wh Battery, enjoy an extended range for longer journeys.

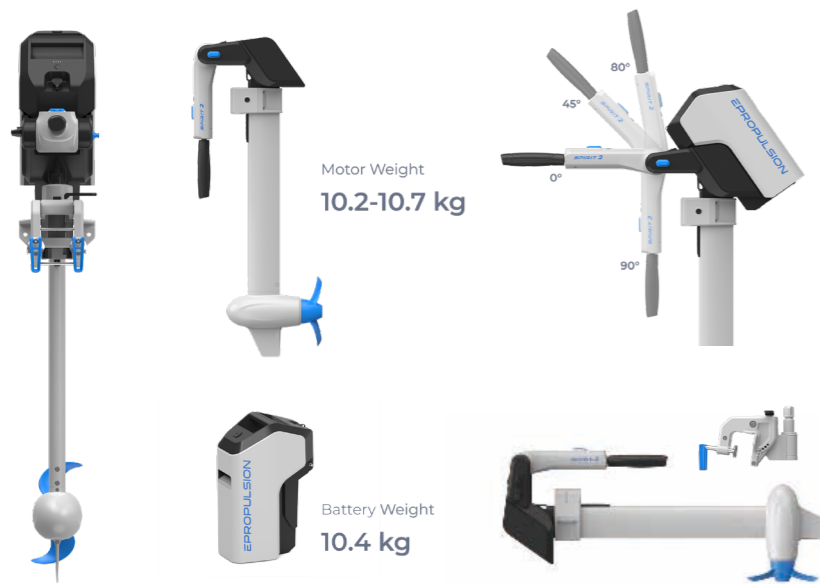


Optimised Performance

Streamlined design of a 240mm diameter propeller optimised for hydrodynamics, rotating at 2000 RPM.



Portability & Ease of Use



Motor Weight
10.2-10.7 kg

Battery Weight
10.4 kg

Compact Design

With a motor weighing just 10.2–10.7 kg and a 10.4 kg battery, it's designed for easy portability.

Tiller Design

With four locking positions and a 13.5 cm extension, the tiller offers adjustable handling for improved comfort and control.

Detachable Clamp & Secure Foldable Locking Tiller

The motor is easy to install or remove from the boat, and simple to carry thanks to the 90° foldable tiller.

Innovation & Design

Full-Color Display

Features a full-colour display with audio cues for an enhanced user experience.



Hydrogeneration Technology

Recharges the battery while under sail, supporting sustainable power.



Integrated Steering Lock

Locks the motor in a fixed, centred position to prevent rotation, allowing you to momentarily leave the tiller to steer with the rudder or adjust sails.



Kill Switch with Pigtail Line

Designed with enhanced magnetic grip and an anti-skid surface.



Shallow Water Trimming Position

Increasing the tilt angle to 90° helps prevent the outboard from contacting the water while sailing, reducing drag and maintaining speed.






Increased Tilt Angle

Increasing the tilt angles to 90° reduces the outboard motor hitting the water during sailing, thereby preventing speed loss.



48V External Battery

Use ePropulsion 48V E Series battery to extend the range.

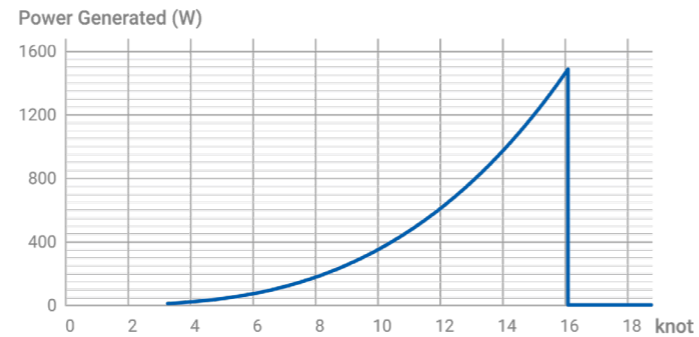
	Battery	Runtime (Full-Speed)	Runtime (Half-Speed)
	E60 / 3072 Wh	1.5 hrs	3 hrs
	E100 / 5120 Wh	2.5 hrs	5 hrs
	E163 / 8345 Wh	4 hrs	8 hrs

Performance

Speed and Range*

Power (w)	Speed (knots/mph/kph)	Running Time (hh:mm)	Range (nm/mi/km)
500 W	4.0 / 4.6 / 7.4	03:00	11.3 / 13.0 / 21.0
1 kW Half Power	5.2 / 6.0 / 9.6	01:48	8.3 / 9.6 / 15.4
2 kW Full Power	9.5 / 10.9 / 17.5	00:54	7 / 8.1 / 13
3 kW** Sport Mode	11.8 / 13.6 / 21.9		

Hydrogeneration*



* 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.

** Sport Mode can last up to 1 minute with a minimum battery state of charge (SOC) of 20%, and the temperature must be within safe limits.



Portable Power Station

Equipped with a Type-C port for charging devices, the Spirit Battery Ultra acts as a portable power station. It can charge your mobile device up to 100 times without the need for a wall plug, making it perfect for extended adventures.



Quick-Connect Battery

Experience hassle-free setup with cable-free battery installation, complemented by a built-in indicator for convenient monitoring. Check battery status easily without connecting it to the outboard.



Battery Indicator

Easily monitor battery levels, charging status and safety alerts via the integrated LED display, with no outboard connection required.



Comprehensive Charging Compatibility

Designed for maximum flexibility, Spirit Battery Ultra can be recharged via a standard or fast charger, solar arrays, 12V inputs, or through hydrogeneration while underway.

eLite Electric Outboard Motor



500 W

Efficient, compact, and easy to use. Your sustainable power on the go



Clean



Quiet



Eco-friendly



Minimal Maintenance

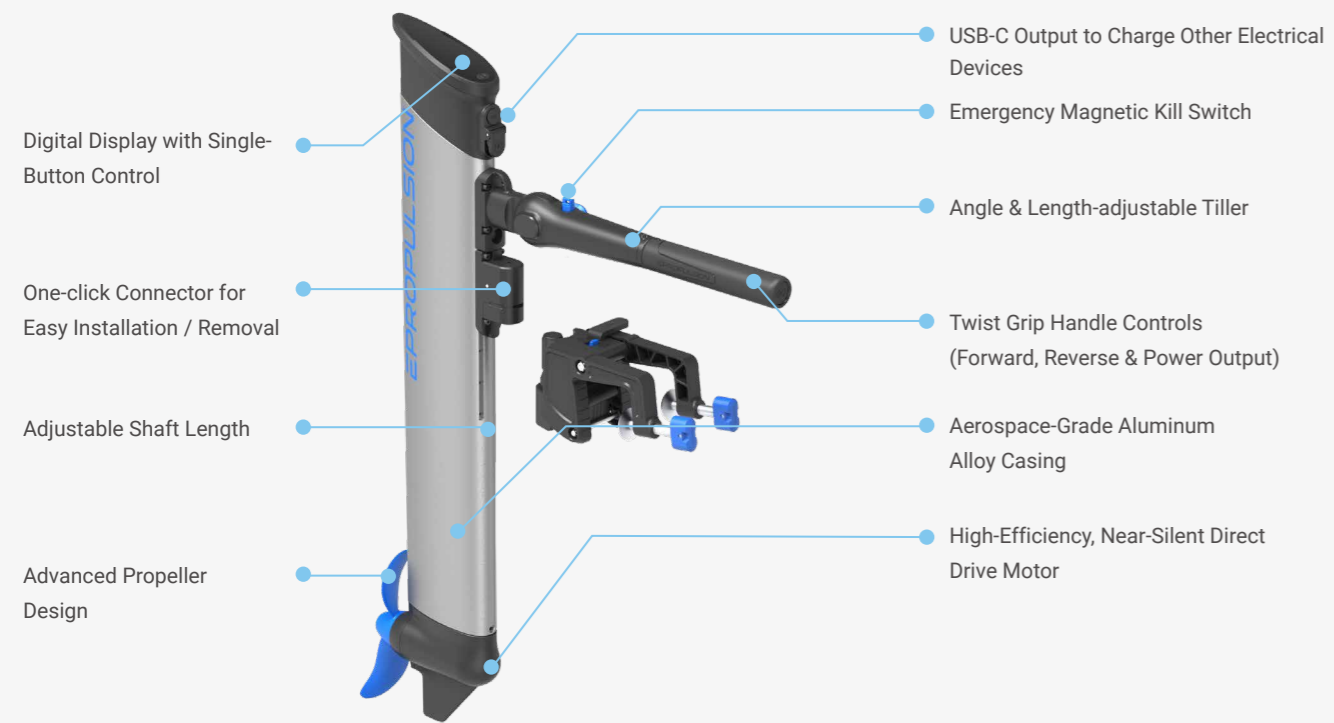


Waterproof IP67

Specs*

	eLite (standard)	eLite (longshaft)
Nominal Power	500 W	500 W
Maximum Power (in Sport Mode)	750 W	750 W
Battery	Integrated 378 Wh 25.2 V Lithium-ion	Integrated 378 Wh 25.2 V Lithium-ion
Battery Life	800 cycles at 80% SoH	800 cycles at 80% SoH
Charger	100 to 240 V AC charger included, 12 V charger optional	100 to 240 V AC charger included, 12 V charger optional
Cooling System	Natural cooling	Natural cooling
Rated rpm	1500 to 1700	1500 to 1700
Operating Temperature	-5 to 55 °C	-5 to 55 °C
Storage Temperature	-20 to 45 °C	-20 to 45 °C
Trim and Tilt	8° / 17° / 26°	8° / 17° / 26°
Tilt Angle	75°	75°
Shallow Water Mode Tilt Angle	36°	36°
Steering Range	±70°	±70°
Dimensions (L x W x H)	297 x 75 x 890 mm (11.7 x 3 x 35")	297 x 75 x 1040 mm (11.7 x 3 x 41")
Motor Weight (excluding bracket)	6.7 kg (14.7 lbs)	7.3 kg (16.1 lbs)
Motor Weight (including bracket)	7.9 kg (17.4 lbs)	8.5 kg (18.7 lbs)
Adjustable Shaft Length	401 / 362.5 / 322 / 282.5 mm (15.8 / 14.27 / 12.7 / 11.1")	551 / 512.5 / 472 / 432.5 mm (21.7 / 20.2 / 18.6 / 17")

* The specifications are for reference only.



- **Compact size:**
297 x 75 x 890 mm (11.7 x 3 x 35") (standard)
297 x 75 x 1040 mm (11.7 x 3 x 41") (longshaft)
- **One-click removal/installation:**
Motor can be lifted on/off (for charging etc) at the touch of a button, and clamp left on transom. No connections to make, no tools needed.

- **Lightweight:**
Motor weight (excluding bracket)
6.7 kg / 14.7 lbs (standard)
7.3 kg / 16.1 lbs (longshaft)
- **Easy to carry and lift. Weight balances on folded tiller.**
- **Travel Bag included for easy storage and transport**



Clamp Bracket Functionality

- Quick Release for motor on/off
- 3 leg down trim angles for different transoms
- Partial tilt/shallow water drive at 36°
- Full tilt at 75° for beach landings & storage
- Anti-grounding mode: if the motor hits a rock or other underwater obstacle, it will tilt up automatically to reduce the likelihood of damage

Advanced Tiller

- Extendable
- Fixed or adjustable angle
- Foldable for easy transport
- Ergonomic, easy-grip handle



Intuitive Control and Display

- **Digital Display**
Shows battery level, power output, system status and alerts
- **Single-Button Control**
Select mode, and switch main display between power output and battery level



Integrated Lithium-ion Battery

- Safe and Reliable
- Integrated Smart Battery Management System for more energy-efficient operation and longer battery life
- USB-C output to charge/power other electrical devices
- Supports multiple charging options (220 V AC as standard, 12 V DC and Solar with optional ePropulsion accessories)

Performance & Range*

	Half Power 250 W	Full Power 500 W	Sport Mode 750 W
Speed (km/h / mph)	6.0 / 3.7	7.5 / 4.7	8.3 / 5.2
Running Time (hh:mm)	01:30	00:45	**
Range (km / mi)	9 / 5.6	5.6 / 3.5	/

* The data above is for a single person driving an 8ft aluminium dinghy (total weight 117 kg), in calm conditions. Range and run time may vary with different boat or load, wind and waves, etc
** Sport Mode can last up to 1 minute subject to battery SOC and temperature.

Spirit 1.0

1 kW / 1276 Wh



Spirit 1.0 Plus
Standard Model

Spirit 1.0 Evo
Made for Sailing

Spirit 1.0 Evo Remote
Made for Remote Steering

The Spirit 1.0 Plus & Evo motors are our best-sellers. They're designed for portability, with an integrated, but easily-removable, 1276 Wh lithium battery.

Specs



	Spirit 1.0 Plus	Spirit 1.0 Evo	Spirit 1.0 Evo Remote
Power	1000 W		
Battery Capacity	1276 Wh		
Motor Weight*	10.6 kg / 23.4 lbs	11.3 kg / 24.9 lbs	10.9 kg / 24 lbs
Battery Weight	8.7 kg / 19.2 lbs		
Charging Time	3.5 hrs (Fast charger) / 8.5 hrs (Standard charger)		
Battery Life*	500 cycles at 80% SoH		
Shaft Length	XS: 52.5 cm / 20.7 in S: 62.5 cm / 24.6 in L: 75 cm / 29.5 in	S: 62.5 cm / 24.6 in L: 75 cm / 29.5 in	
Input Voltage	39 to 60 V		
Propeller rpm	1200 rpm		
Propeller	11" x 5.8" 2-blade composite propeller		
Trim / Tilt Angle	0°, 7°, 14°, 21° / 70°	0°, 7°, 14°, 21° / 85°	0°, 7°, 14°, 21° / 85°
Hydrogeneration	✗	✓	✓
Display Backlight	✗	✓	✓

* Weight quoted is for the short shaft version. The weight of Spirit 1.0 Evo Remote excludes the control.

*Battery life is based on laboratory testing. Actual battery life may vary depending on operational environment and usage conditions.

Long Range

Thanks to the 1276 Wh large battery, Spirit 1.0 Plus / Evo has a longer range than other gasoline outboards and electric outboards. Runtime at full power:

Spirit 1.0 Plus / Evo
75 min

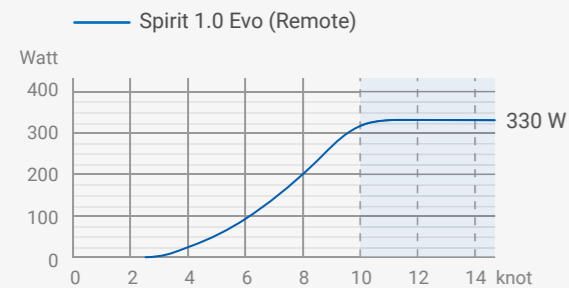
Average 1 kW electric outboard
50 min

A FourStroke 3.5HP*
48 min

* The runtime of the above FourStroke 3.5HP is measured with the 0.3 gal (1.1 L) internal fuel tank.

Hydrogeneration

ePropulsion is among the first to offer electric outboard motors with integrated hydrogeneration, allowing sailors to harness energy under sail for a more sustainable experience.



* When paired with ePropulsion batteries, the Spirit 1.0 Evo outboard can use water flow to drive the propeller and recharge the battery under specific conditions. See the user manual in the download centre for details.

Design

1 1 1 Magnetic kill switch
In an emergency, disconnect the magnetic kill switch to immediately stop the motor.

2 2 Folding/Removable Tiller
The Plus tiller is permanently attached but folds in line with the leg for easier transport and storage. The Evo tiller can be folded or removed entirely for added convenience.

3 3 3 Gauge display
Access to battery level, remaining runtime, input power, and voltage.

4 4 4 Charging port
Works with the included AC charger, as well as optional 12V and solar chargers.

5 5 5 Durable metal connector
Made of stainless steel and processed by PVD technology.

6 Smart Side Mount Control Evo
The smooth single lever control works together with a separate 4.3-inch gauge display.

7 Evo remote control
Compact, economical and integrated with a 3.4-inch display. Can be wired or wireless.

8 8 8 Battery pull latch
Makes battery installation easy and quick.

9 Steering tube
Works with a mechanical or hydraulic steering helm and the steering link arm.

10 10 10 Anti-corrosion coating
Anodised and powder-coated finishes protect the base material from corrosion.



Taking you Further

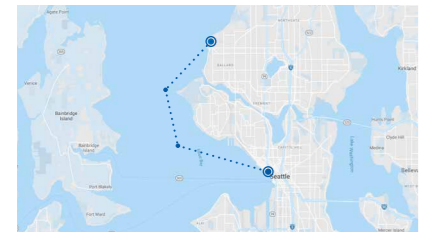
Performance & Range

Power (Watt)	Speed (km/h / mph)	Running Time (hh:mm)	Range (km / mi)
35	3.5 / 2.2	36:25	129 / 80
65	4.3 / 2.7	19:35	85.3 / 53
125	5.6 / 3.5	10:00	56 / 35
250	7.1 / 4.4	5:00	35.5 / 22
500	8.5 / 5.3	2:30	21.3 / 13.3
750	9.2 / 5.7	1:40	15.3 / 9.5
1000	10 / 6.2	1:15	12.5 / 7.8

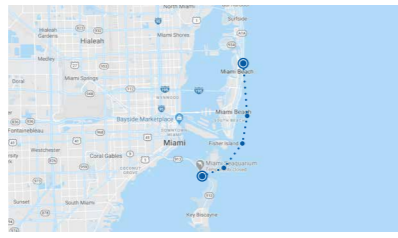
*The performance data is based on a 12-foot aluminum boat with one person and one Spirit Battery Plus in calm lake water. The actual speed, range and running time may vary because of different boats, load, weather, etc.

One Charge to Go 35 km

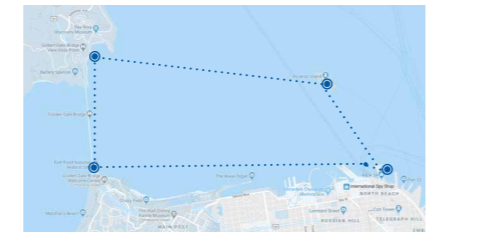
Seattle
Pike Place Market to Golden Gardens Park
Round Trip / 28.0 km or 18 miles



Miami
Miami Seaquarium to North Beach
Round Trip / 28.3 km or 17.6 miles



San Francisco
Golden Gate Bridge to Alcatraz Island to Pier 39
Two Laps / 25.7 km or 16 miles



Sailing Enthusiasts Love Spirit Series



We jumped at the chance to test out an ePropulsion Spirit 1.0 Evo electric outboard. Being able to use our dinghy without any petrol and charge the engine from our solar panels indefinitely was pretty intriguing. No smelly jerry cans on deck, no noisy engine that breaks down every so often, that sounded good.

- Sailing Learning By Doing

Follow Sailing Learning By Doing:

- Sailing Learning By Doing
- Sailing Learning By Doing
- @vernondeck

“We’ve had our ePropulsion Spirit 1.0 for three years now, and we absolutely love it. It has been 100% maintenance-free the entire time. We haven’t had to do anything. With our old outboard, we always had this feeling of dread. But with the ePropulsion, there’s never a feeling of uncertainty; it’s a feeling of reliability. Because every time I press the power button and twist the throttle it just goes. Like there’s nothing else to it... if only everything on the boat worked that way. Not having to worry about getting fuel, not having to store fuel, not having to fix anything on it. It’s such an easy thing to deal with. It warms my heart.

- Sailing Soulianis

Follow Sailing Soulianis:

- Sailing Soulianis
- Sailing Soulianis
- @sailingsoulianis



Spirit Battery

Floating Battery

The Spirit Battery is removable, for better portability and easier installation... But there's always a slight risk you could drop it in the water! That's why we developed the Spirit battery to float!



Solar Charging

The Spirit battery can be charged at a rate of up to 180 W, including from solar panels (optional solar panel/charger required). This can be done while the motor is running, so on a sunny day and at low speeds you could even run off solar power all day. The Spirit solar panel is lightweight and foldable too.



Spirit Battery Power Output Set

With the optional Spirit battery power output set, it's possible to power other electronics on board, such as a fridge or fish finder. The display shows battery level and any errors. Please note: output is 48 V, so you may also need a DC-DC converter.



Effortless Battery Replacement

For extended range, acquiring an additional Spirit battery offers a simple solution, with quick changeover typically taking under 30 seconds. Additionally, an optional accessory allows connection to external 48 V batteries.

EVO Controls

ePropulsion offers excellent compatibility across its control systems, with all components developed on a shared platform to work seamlessly with Evo motors and other Evo components.



Evo Tiller

Ergonomic, removable design with a 3.4-inch integrated backlit display



Evo Remote Control

Wireless or wired connection with a 3.4-inch integrated backlit display



Smart Side Mount Control Evo

4.3-inch separate backlit display
Accidental trigger protection when in neutral



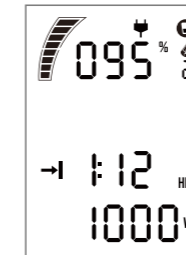
Evo Dual Remote Control

Sync Mode
Docking Mode
4.3-inch separate backlit display



Information Display

Keeping you informed.



- Battery level
- Remaining runtime
- Remaining distance*
- Realtime power
- Error codes
- Speed*
- Realtime voltage
- Hydrogeneration power / status
- Metric and imperial conversion

* Not available on Spirit 1.0 Series or Pod Drive 1.0 Evo.



Navy 3.0 Evo / 3 kW

Navy 6.0 Evo / 6 kW



The Navy series electric outboard motors deliver simple, efficient power equivalent to approximately 6 HP or 9.9 HP combustion motors, depending on the model. Sleek, easy to use and environmentally responsible, these outboards are designed to be a dependable part of your boating experience for years to come.

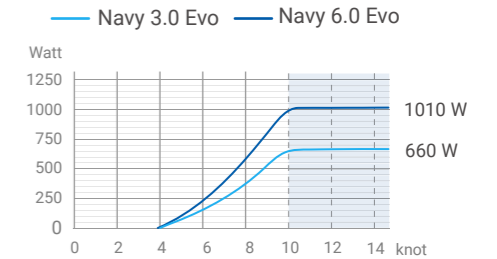
Features

Brushless Direct Drive Motor

The Navy series motors use a direct drive system, unlike most competitors in this power class. By eliminating the gearbox, the design reduces moving parts, noise and vibration, while improving long term reliability.

Hydrogeneration

The ePropulsion Navy series is one of the few outboard ranges in this size category to offer hydrogeneration functionality. While sailing, the propeller turns the motor to recharge the batteries, removing the need for a generator or shore power.



* When using ePropulsion batteries, the Navy 3.0 Evo and Navy 6.0 Evo outboards can recharge the battery using water flow under specific conditions. See the user manual in the download centre for details.

Specs



	Navy 3.0 Evo	Navy 6.0 Evo
Power	3 kW	6 kW
Operation Voltage	48 V (Input Range 39 to 60 V)	
Outboard Weight*	24.3 kg / 53.6 lbs	29 kg / 64.0 lbs
Shaft Length	S: 63.4 cm / 25 in L: 75.9 cm / 29.9 in	
Static Thrust	590 N / 132.6 lbs	1243 N / 279.4 lbs (13.4" x 8.5" composite propeller)
Propeller rpm	2300 rpm	1500 rpm
Propeller	10.2" x 6.7" 2-blade composite propeller	11.3" x 8.5" plastic propeller 10.6" x 12.6" metal propeller (optional)
Trim / Tilt Angle	0°, 5°, 10°, 15° / 60°	0°, 5°, 10°, 15°, 20°, 35°, 50° / 65°, 80°
Hydrogeneration*	✓	✓

* The outboard motor weight quoted is for the short shaft version, excluding the control weight.

* The hydrogeneration data is based on real tests with the anticavitation plate installed. Navy 6.0 Evo is tested with a 13.4" x 8.5" three-blade composite propeller.

Taking you Further

Performance & Range

Navy 3.0 Evo (Watt)	Speed (km/h / mph)	Runtime (hh:mm)	Range (km / mi)	Navy 6.0 Evo (Watt)	Speed (km/h / mph)	Runtime (hh:mm)	Range (km / mi)
300	6 / 3.7	13:20	79.3 / 49.3	500	6.5 / 4	18:00	116 / 72
550	7.5 / 4.7	7:25	56.3 / 35	1000	8 / 5	9:00	72 / 45
1000	8.6 / 5.3	4:00	34.1 / 21.2	2000	10.8 / 6.7	4:30	48.6 / 30.2
1500	9.7 / 6	2:40	25.7 / 16	3000	13 / 8	3:00	39 / 24
2000	10.2 / 6.3	2:00	20.4 / 12.6	4000	18.5 / 11.5	2:15	41.7 / 25.9
2500	12.8 / 8	1:35	20.5 / 12.7	5000	21.8 / 13.5	1:50	39.8 / 24.7
3000	16.4 / 10.2	1:20	21.9 / 13.6	6000	24.3 / 15	1:30	36.5 / 22.5

*The performance data is based on a 12-foot aluminum boat with one person, powered by one Navy 3.0 Evo and E80 battery / Navy 6.0 Evo and E175 battery in calm lake water. The actual speed, range and running time may vary because of different boats, load, weather, etc.

Navy 6.0 Evo Brings New Excitement

Highfield 380CL + Navy 6.0 Evo



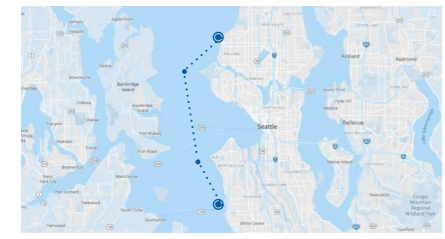
“ With Navy 6.0 Evo, it's so quiet and so bizarre! It's just the water under the hull. ”

- Captain Rick Moore

Go with Navy

Seattle

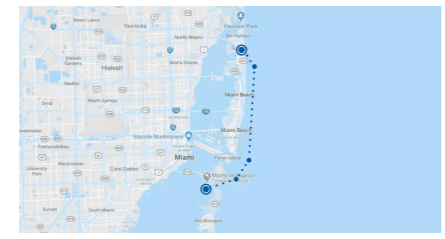
Pike Place Market to Golden Gardens Park



Navy 3.0 Evo + E80 = Round Trip / 38.6 km or 24 miles
Navy 6.0 Evo + E175 = Three Trips / 57.9 km or 36 miles

Miami

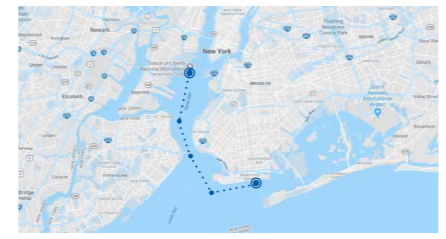
Miami Seaquarium to North Beach



Navy 3.0 Evo + E80 = Round Trip / 35.4 km or 22 miles
Navy 6.0 Evo + E175 = Three Trips / 53.1 km or 33 miles

New York

Statue of Liberty to New York Aquarium



Navy 3.0 Evo + E80 = Round Trip / 35.4 km or 22 miles
Navy 6.0 Evo + E175 = Three Trips / 53.1 km or 33 miles

Captain Rick Moore has been sailing for over 20 years. He has always been led by his passion and the wind, and has been sharing his sailing and adventure stories for 15 years on YouTube channel *Sophisticated Lady*.

Follow Captain Rick Moore:

- Captain Rick Moore
- Sailing Sophisticated Lady
- @sailingsophisticatedlady



X Series Electric Outboard Motor



A revolutionary range, featuring an innovative, user-friendly design.

Overview

The ePropulsion X Series electric outboards are a zero emissions electric propulsion system delivering an industry leading powertrain efficiency of 88.2 percent. The X Series features a compact, fully integrated design, an electric steering system, advanced driving assistance functions and connectivity services. Its modular architecture simplifies installation and allows seamless integration with renewable energy sources.

Features

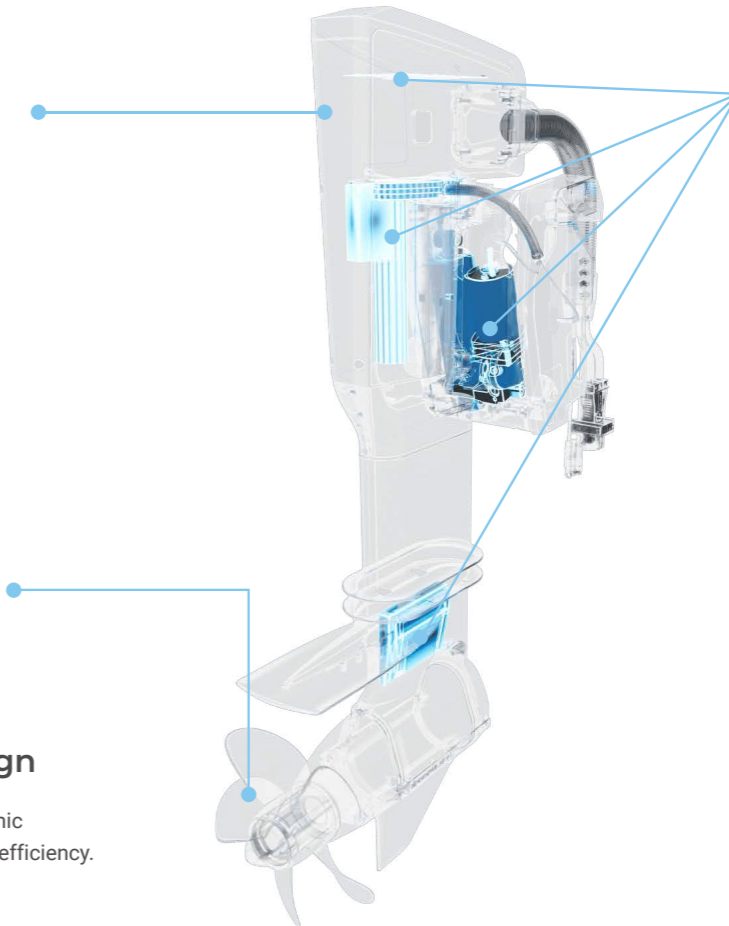
Compact & Fully Integrated Space-Saving Design

Narrow footprint, with no external steering gear, maximises valuable stern space, more room for boarding, swimming and socialising.



Advanced propeller design

Unparalleled hydrodynamic performance and higher efficiency.



The electric steering, power trim/tilt, ECU (electric control unit), and motor controller are all integrated into one unit.

12/20/40 kW
of continuous power.

88.2%
total powertrain efficiency
(excluding propeller).

Max. 36%
less weight than its conventional
equivalent*.

* The weight includes the engine and the steering.

Built on state-of-the-art eSSA

Underpinned by the ePropulsion Smart System Architecture (eSSA), the X Series, I-Series, and H Series feature a smart and modular design to deliver safe and reliable performance. It also supports the integration of ePropulsion Connectivity Service and ADAS (Advanced Driver Assistance Systems).

The modular architecture supports simple and safe connection of multiple components and enables integration with renewable energy sources, enhancing the sustainability of your boating experience.



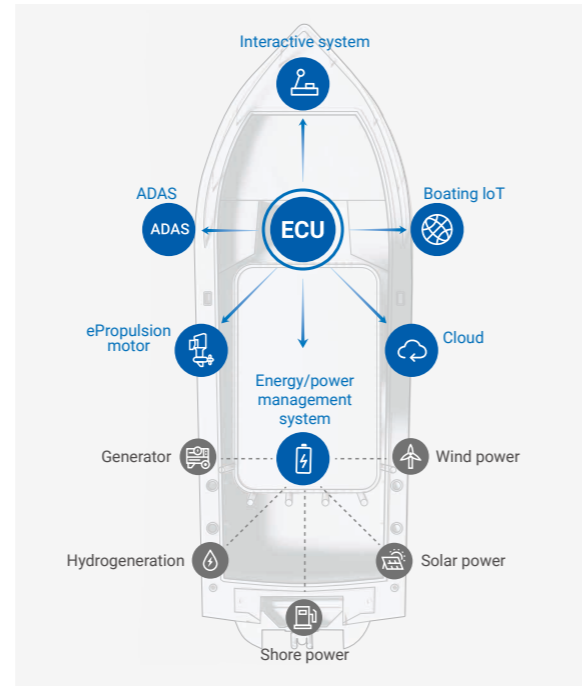
Smart



Modular



Safe and Reliable



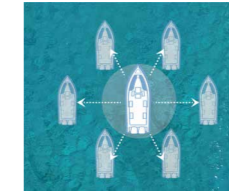
Cutting-edge driving assistance features



Position Hold



Heading Hold



360 Motions

Advanced driver assistance systems (ADAS) allow the X Series to offer Position Hold, Heading Hold and 360 Motions for improved safety and intuitive handling, with more features planned for the future.

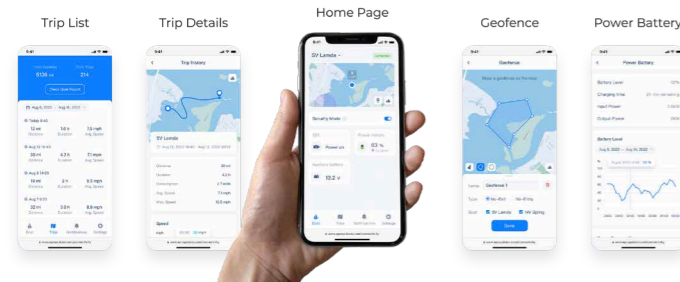
Key Features



Integrated with boating IoT

ePropulsion Connectivity Service is a value added solution that enables boat owners and fleet managers to communicate with their vessels securely and reliably. It provides access to cloud based connectivity services without the need for additional accessories.

ePropulsion Connectivity Service



Remote data access

Access real time operational data including location, speed, battery status and remaining charging time.



Remote monitoring

Notify users when boats break geofences, exceed speed limits, or have suspicious location changes.



Trip tracking

Boating trips are created automatically, with route playback and a detailed trip log.



Shared accounts

Invite other people to share access to real-time status, past activities and reports.



Guest authorisation

Remotely authorise guests to power on and operate ePropulsion systems, with reduced/limited permissions if desired.



Report generation

Automatically create boat reports and fleet reports to summarise all boating activities.

Enhanced User Experience

Power trim / tilt

Comfortable and intuitive control
X Series' digital helm and smart throttles, with instant digital feedback, are responsive and easy to operate, even for boating novices.

- Streamlines installation.
- Minimises complex wiring.

Integrated electric steering
The X Series' electric steering eliminates the need for hydraulics, so it's easier to install and maintain. It also serves as a gateway to our Advanced Driving Assistance Systems, with enhanced safety and control features that revolutionise the boating experience.

A comprehensive range of accessories



- Smart Throttle
- Digital Helm
- Smart Display 5"
- Smart Display 10"
- Propellers
for different speeds or conditions
- G102-100 Battery
- MPPT Solar Charge Controller
- DC-DC Converter
- Battery Chargers
with different power capacities
- More coming soon...

Performance and Range*

	X12			X20			X40		
Input (kW)	3	6	12	5	10	20	10	20	40
Speed (km/h / mph)	14.5 / 9	20.4 / 12.7	30.1 / 18.7	11 / 6.8	14 / 8.7	26 / 16.2	12.6 / 7.8	15.4 / 9.6	35.9 / 22.3
Runtime (hh:mm)	3:20	1:40	0:50	4:00	2:00	1:00	4:00	2:00	1:00
Range (km / mi)	48.3 / 30	34 / 21.1	25.1 / 15.6	44 / 27.3	28 / 17.4	26 / 16.2	50.4 / 31.3	30.8 / 19.1	35.9 / 22.3

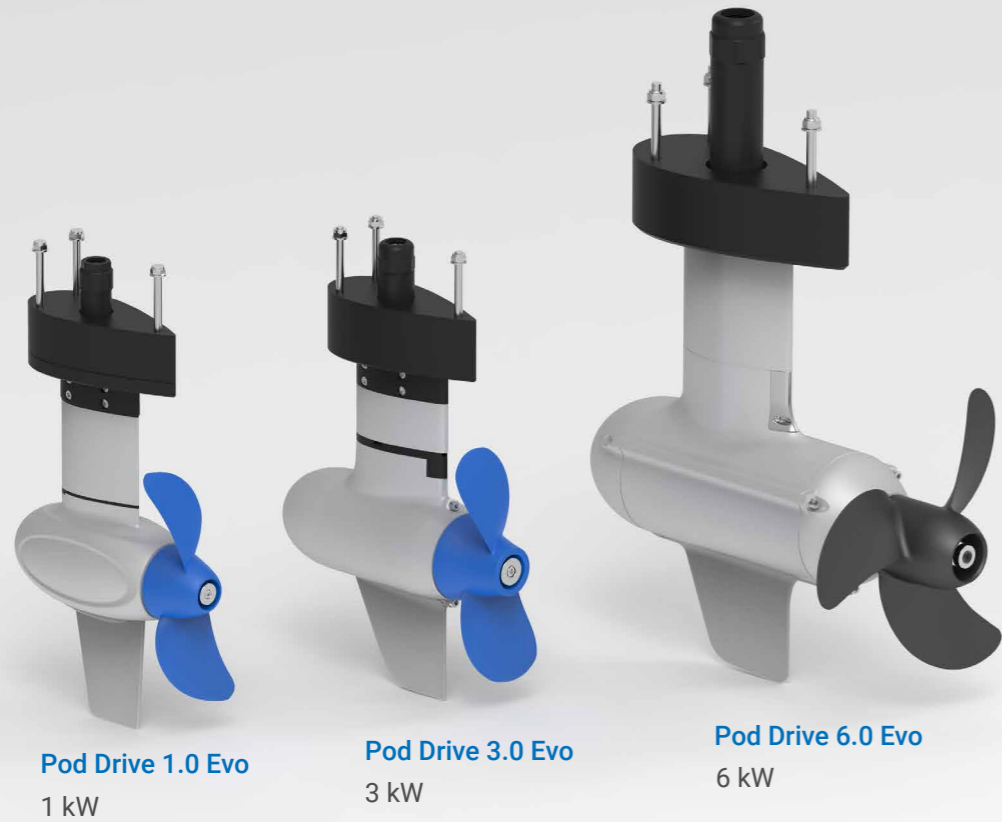
* The X40's performance data is based on a 20-foot V hull aluminum boat with two persons (130 kg), powered by one X40 with four G102-100 batteries (total boat weight 1030 kg), in calm lake water. The X20's performance data is based on a 14-foot V hull aluminum boat with two persons, powered by one X20 with two G102-100 batteries (total boat weight 660 kg), in calm lake water. The X12's performance data is based on a 11-foot aluminum hull inflatable boat with one person, powered by one X12 with one G102-100 battery (total boat weight 320 kg), in calm lake water.

Specs

	X12 12 kW		X20 20 kW		X40 40 kW	
	S Shaft	L Shaft	L Shaft	XL Shaft	L Shaft	XL Shaft
Weight *	48 kg / 105.8 lbs	50 kg / 110.2 lbs	79 kg (174.2 lbs)	81 kg (178.6 lbs)	104 kg (229.3 lbs)	106 kg (233.7 lbs)
Shaft Length	381 mm (15")	508 mm (20")	508 mm (20")	635 mm (25")	508 mm (20")	635 mm (25")
Dimensions (L x W x H)	560 x 266 x 978 mm (22 x 10.5 x 38.5)	560 x 266 x 1105 mm (22 x 10.5 x 43.5)	674 x 360 x 1229 mm (26.5 x 14.2 x 48.4)	674 x 360 x 1356 mm (26.5 x 14.2 x 53.4)	757 x 360 x 1233 mm (29.8 x 14.2 x 48.5)	757 x 360 x 1360 mm (29.8 x 14.2 x 53.5)
Input Power	12 kW		20 kW		40 kW	
Nominal Voltage	96 VDC		96 VDC		96 VDC	
Cooling System	Natural cooling		Natural cooling		Closed loop liquid cooling	
Rated rpm	1100 to 2000		1200 to 1800		1500 to 2100	
Trim and Tilt	Integrated Electric Trim/Tilt		Integrated Electro-Hydraulic Trim/Tilt		Integrated Electro-Hydraulic Trim/Tilt	
Trim / Tilt Angle	-4° to 61°		-4° to 61°		-4° to 61°	
Steering	Integrated electric steering		Integrated electric steering		Integrated electric steering	
Steering Angle	±45°		±45°		±45°	
Propeller	11 13/16" x 9 13/16" propeller (available in R rotation) 11 13/16" x 10 5/8" propeller (available in R rotation) 11 13/16" x 15 3/8" propeller (available in R rotation)		15" x 10 3/4" propeller (available in L&R rotation) 13 3/8" x 16 3/4" propeller (available in L&R rotation)		15" x 10 3/4" propeller (available in L&R rotation) 13 3/8" x 16 3/4" propeller (available in L&R rotation)	

* Excluding batteries, propeller and HMI system.

Pod Drive Series



Space-Saving



Easy to Install



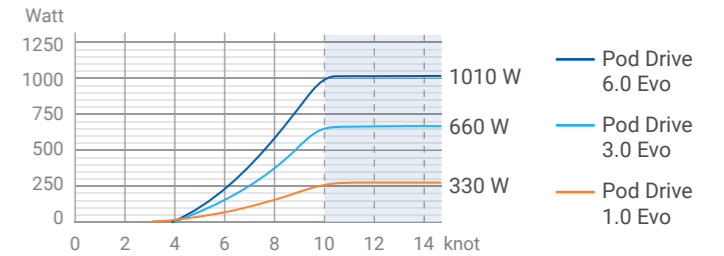
Quiet



Minimal Maintenance

Hydrogeneration

Sailing boat owners value the EVO series Pod Drive motors not only for their weight and space saving design, but also for their hydrogeneration capability. When sailing at speeds above approximately four knots, the spinning propeller and motor act as a generator to recharge the batteries. This environmentally responsible approach extends range before other charging methods are required.



* When using ePropulsion batteries, the Pod Drive 1.0 Evo, Pod Drive 3.0 Evo and Pod Drive 6.0 Evo can recharge the battery using water flow under specific conditions. See the user manual in the download centre for details.

Specs



	Pod Drive 1.0 Evo	Pod Drive 3.0 Evo	Pod Drive 6.0 Evo
Power	1 kW	3 kW	6 kW
Operation Voltage	48 V (Input Range 39 to 60 V)		
Weight	6.2 kg / 13.7 lbs	15.3 kg / 33.7 lbs	31kg / 68.3 lbs
Static Thrust	316 N / 71 lbs	590 N / 132.6 lbs	1080 N / 242.8 lbs
Propeller rpm	1200 rpm	2300 rpm	1500 rpm
Propeller	11" x 5.8" 2-blade composite propeller	10.2" x 6.7" 2-blade composite propeller	12.6" x 8.7" 3-blade aluminum propeller / 12" x 21.3" 2-blade NAB folding propeller (optional)
Hydrogeneration	✓	✓	✓

*The weight includes the driver unit.

Pod Drive eSSA Series

Revolutionising naval design and setting a fresh standard in marine innovation



Pod Drive 12 eSSA
12 kW



Pod Drive 20 eSSA
20 kW

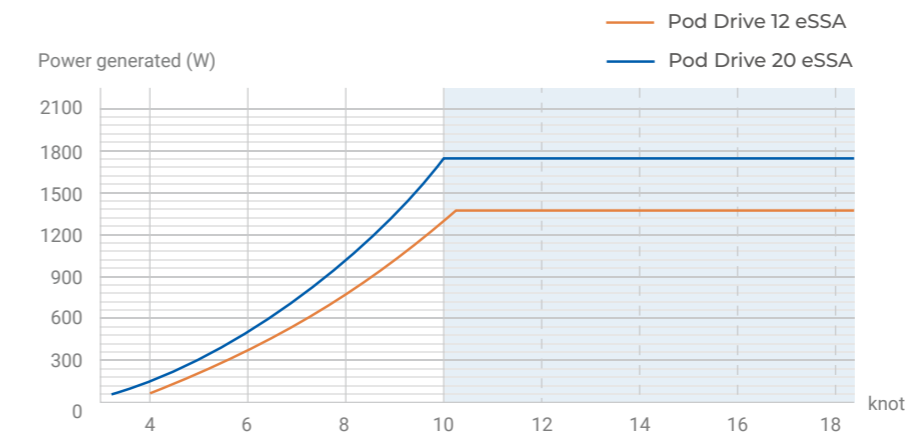
Exceptional Reliability

Engineered for durability and designed to withstand constant saltwater exposure, the electric Pod Drive is constructed from marine grade, high strength aluminium alloy for excellent impact resistance and long term durability. Rigorously tested in harsh marine conditions, its self cooling design disperses heat naturally through water submersion, removing the need for cooling channels and frequent impeller changes. The result is dependable, low maintenance performance in any environment.



Hydrogeneration

Equipped with a hydrogeneration function as standard, Pod Drive eSSA can charge your batteries when sailing.

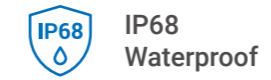


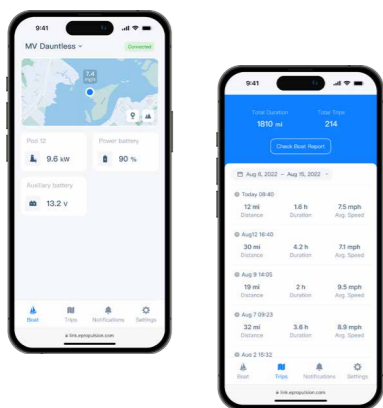
Space Saving

The electric Pod Drive redefines onboard space, combining the motor, propeller, and cooling system into one sleek, compact unit that mounts beneath the hull. By eliminating the need for bulky inboard engines and complex shaft lines, it frees up valuable interior space, allowing for more passenger comfort, added amenities, or increased storage. This innovation lets you reimagine the possibilities onboard, enhancing both design flexibility and luxury.

Effortless Installation and Versatile Mounting

The electric Pod Drive is designed for exceptional compatibility, with straightforward installation and versatile mounting options suitable for a wide range of vessel types. It fits directly onto existing Volvo and Yanmar sail drive mountings, saving time and ensuring seamless integration into any design.





ePropulsion Link

Seamless Connectivity

Stay connected to your boat like never before with the Pod Drive eSSA, featuring ePropulsion's advanced Connectivity Service. Enjoy real-time access to your vessel's status, with continuous monitoring, instant reporting, and trip tracking features that keep you informed and in control wherever you are.

NMEA 2000 Compatible

The NMEA 2000 interface allows integration with other multifunction displays (MFDs).



Smart and User-friendly Control System

Experience effortless control with the HMI system, Smart Throttle, and 5" Smart Display, offering intuitive, easy access to vital information right at the helm. Navigate with confidence, knowing you have everything you need in one sleek, user-friendly interface.

Performance and Range

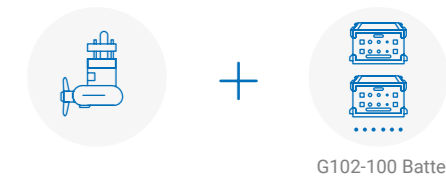
	Pod Drive 12 eSSA*				Pod Drive 20 eSSA*			
Input (kW)	3	6	9	12	5	10	15	20
Speed (km/h / mph)	10 / 5.4	13 / 7.0	15 / 8.1	16.5 / 8.9	11.5 / 6.2	14 / 7.5	16 / 8.6	18 / 9.7
Runtime (hh:mm)	3:20	1:40	1:06	0:50	4:00	2:00	1:20	1:00
Range (km / mi)	33.3 / 18	21.6 / 11.7	15.2 / 8.9	13.8 / 7.4	46 / 24.8	28 / 15	21.3 / 11.5	18 / 9.7

* The performance data is based on a 19-foot shallow draft sailboat with 1200kg displacement, powered by one Pod Drive 12 eSSA with one G102-100 battery in calm lake water.

* The performance data is based on a 21.3-foot shallow draft sailboat with 2000kg displacement, powered by one Pod Drive 20 eSSA with two G102-100 batteries in calm lake water.

Flexible & Scalable

The Pod Drive 12 eSSA is ideal for both custom new builds and retrofitting existing boats. Battery capacity can be tailored to meet speed and range requirements, with up to eight batteries connected in parallel per cluster and multiple clusters supported within the system.



G102-100 Battery

Pod Drive 12 eSSA

Runtime with 1 x G102-100 battery

Half Speed Runtime / 1Hr 40mins

Full Speed Runtime / 50mins

Runtime with 2 x G102-100 batteries

Half Speed Runtime / 3Hrs 20mins

Full Speed Runtime / 1Hr 40mins

Pod Drive 20 eSSA

Runtime with 1 x G102-100 battery

Half Speed Runtime / 1Hr

Full Speed Runtime / 30mins

Runtime with 2 x G102-100 batteries

Half Speed Runtime / 2Hrs

Full Speed Runtime / 1Hr

A Pod Drive motor unlocks new design possibilities for naval architects and sets a new benchmark in marine innovation. It elevates any vessel, introducing a higher level of luxury and sophistication on board.

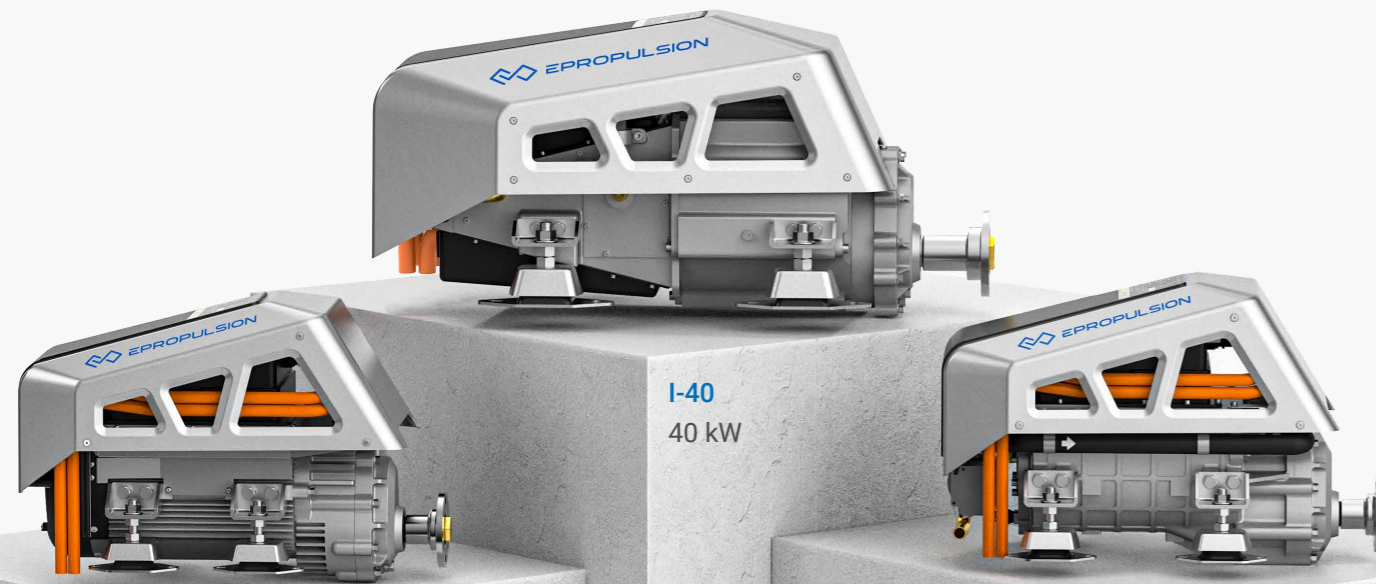
Specs

	Pod Drive 12 eSSA	Pod Drive 20 eSSA
Input Power	12 kW	20 kW
Nominal Voltage	96 VDC	96 VDC
Weight (driver unit included)	31 kg (68.3 lbs)	48.5 kg (106.9 lbs)
Dimensions (L x W x H)	Motor: 603 x 420 x 122 mm (23.7 x 16.5 x 4.8 in) Driver unit: 285 x 250 x 192 mm (11.2 x 9.8 x 7.6 in)	Motor: 642 x 596 x 168 mm (25.3 x 23.5 x 6.6 in) Driver unit: 343 x 296 x 197 mm (13.5 x 11.7 x 7.8 in)
Cooling System	Natural cooling Driver: Fan cooling	Motor: Natural cooling Driver: Fan cooling
Rated rpm	1400 to 2100	1200 to 1800
Propeller	11 13/16" x 9 13/16" propeller (available in L&R rotation) 13" x 9 3/4" folding propeller	15" x 10 3/4" propeller (available in R rotation)

* The specifications are for reference only.

I-Series Electric Inboard Motor

Bringing the benefits of electrification and intelligent connectivity to small and medium-sized boats.



I-10
10 kW

I-40
40 kW

I-20
20 kW

Overview

ePropulsion I-Series electric inboard motors are designed to be friendly to both the environment and their operators, combining zero emissions with innovative, intuitive technology. At the core of the system, eSSA (ePropulsion Smart System Architecture) and IoT (Internet of Things) connectivity work together to deliver an intelligent, safe, reliable and easy to use experience. These motors are well suited to leisure and commercial marine applications on small and medium size vessels, including cruisers, workboats, ferries, water buses, monohull sailboats and catamaran sailboats.

Features



Efficient



Clean



Quiet



Hydrogeneration



Compact and Integrated

Compact design that integrates five functional modules of motor, gearbox, motor controller, system control unit and cooling system into a single unit.



Space-saving

Occupies up to 60% less space than typical combustion engines, reducing overall engine room size.*



Lighter weight

65% less weight than typical combustion engines and 30% lighter than electric inboard motors of similar power.*



Easy to install

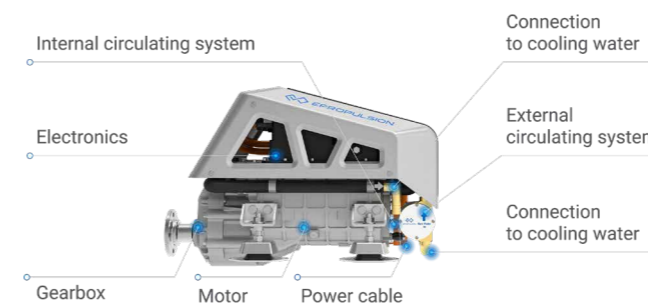
All internal wiring is completed prior to delivery, ensuring a true out-of-the-box experience.



Easy to maintain

The technology and interface design deliver significantly lower maintenance requirements than combustion engines.

* Under the same input power.



Built on state-of-the-art eSSA

Underpinned by the ePropulsion Smart System Architecture (eSSA), the I-Series features a smart and modular design to deliver safe and reliable performance. It also supports the integration of ePropulsion Connectivity Service and ADAS (Advanced Driver Assistance Systems).

-  Smart
-  Modular
-  Safe and Reliable

Integrated with boating IoT

ePropulsion Connectivity Service is a value added solution that enables boat owners and fleet managers to communicate with their vessels securely and reliably. It provides access to cloud based connectivity services without the need for additional accessories.

Specs



Model	I-10	I-20	I-40
Input power	10 kW	20 kW	40 kW
Input voltage	86 to 115 VDC	86 to 115 VDC	86 to 115 VDC
Weight	45 kg (99.2 lbs)	49.5 kg (109.1 lbs)	93 kg (205 lbs)
Dimensions (L x W x H)	565 x 295 x 380 mm (22.2 x 11.6 x 15 in)	580 x 330 x 380 mm (22.8 x 13 x 15 in)	667 x 453 x 477 mm (26.3 x 17.8 x 18.8 in)
Cooling method	Air cooling	Water cooling (air cooling optional)	Water cooling (air cooling optional)
Rated rpm	1200 to 1700	1200 to 1700	1200
Operation and interaction	Throttle & display	Throttle & display	Throttle & display
Connectivity service	Support	Support	Support
Propeller	14.17" x 8.90" 3-blade aluminum propeller 13.78" x 11.02" 3-blade aluminum propeller 12.99" x 15.12" 3-blade aluminum propeller	16.14" x 10.63" 3-blade aluminum propeller 15.75" x 11.97" 3-blade aluminum propeller 14.96" x 15.75" 3-blade aluminum propeller	22.44" x 17.05" 3-blade aluminum propeller 21.65" x 19.88" 3-blade aluminum propeller 20.47" x 28.26" 3-blade aluminum propeller

* The specifications are for reference only.



Accessories

Standard accessories

The Smart Throttle and five inch Smart Display provide intuitive control and clear monitoring. With three Smart Throttle mounting options available, finding the right fit for your boat is simple.

Smart Throttle



- ✓ Top or Side
- ✓ Single or Dual
- ✓ Portside or Starboard

* More control methods coming soon...

Smart Display 5"



- Designed for marine environments
- Intelligent diagnosis
- Local cloud integration
- High security
- Data synchronisation

Propeller, air cooling system, HVAC system, shaft and coupling, chargers, with additional options planned.

OEM accessories upon request

Propeller, air-cooling, HVAC system, shaft and coupling, chargers with new products continuously in development.

E Series Lithium Battery

Safe and durable LiFePO4 batteries for ePropulsion 48 V motors.



E60
3072 Wh

E163
8345 Wh

E100
5120 Wh

Overview

Designed to work as a complete system, ePropulsion motors deliver optimum performance when connected to ePropulsion batteries. This integrated approach removes compatibility concerns and enables enhanced data visibility. The 48 V E Series batteries are compatible with all ePropulsion 48 V motors and feature LiFePO4 (lithium iron phosphate) chemistry for durability, safety and long service life. Their compact, lightweight design also simplifies installation compared with traditional lead acid batteries.

Why Choose E Series Battery



Competitive cost

Unit price of E Series batteries are as low as about \$0.5 per watt-hour.



Long life cycles

3000 cycles at 80% SoH.



High energy density

70% less weight and space than a normal lead-acid battery *



Made for ePropulsion motors

Data is synchronised with ePropulsion motors to enable intelligent operation.



Data accuracy

ePropulsion batteries are engineered for efficiency, performance and safety. They support communication via our cable system, delivering accurate data to the gauge and enabling an optimised operating strategy.

*Under equal capacity.

Features

1C Rate Fast Charging

Waterproof to IP67

CE, UKCA, FCC, and UN38.3 Certification

E60

3072 Wh / 48 V



High Performance

E60 (single battery) can support Navy 3.0 Evo (3 kW) full power output.

Flexible Installation

The height of E60 battery is only 300 mm, allowing flexible installation under boat seats or other available spaces.

Lightweight

Features a new innovative double-layer plastic housing design weighing only 33 kg and can be safely lifted by a person.

E163

8345 Wh / 48 V



High Performance

E163 (single battery) can support Navy 6.0 Evo (6 kW) full power output.

High Reliability

All-metal housing is more reliable, weather resistant, impact resistant and drop proof.

E100

5120 Wh / 48 V



High Performance

A single E100 can extend battery range to support Navy 6.0 Evo at full output power.

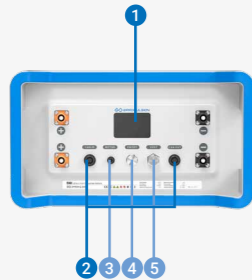
New Feature Upgrade to 96V System

Upgrade to a 96V eSSA system using two batteries connected in series. Compatible with X12, P12, and I-10 motors.

New Feature Compact Size for Easy Storage

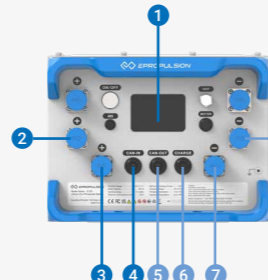
Two-sided installation for flexible placement under seats or in other spaces. At just 240 mm high, it maximises storage while ensuring easy access.

Design



- 1 HD Screen
- 2 CAN communication port
- 3 Motor communication port
- 4 Power button
- 5 Vent valve

E60



- 1 HD Screen
- 2 48V Positive Terminals
- 3 96V Positive TerminalPower
- 4 CAN for parallel or series batteries
- 5 CAN for ePropulsion 96V motor
- 6 CAN for 48V or 96V charger
- 7 96V Negative Terminal
- 8 48V Negative Terminals

E100

Specs

	E60	E163	E100
Capacity	3072 Wh / 60 Ah	8345 Wh / 163 Ah	5120 Wh / 100 Ah
Rated Voltage	51.2 V	51.2 V	51.2 V
Battery Life	3,000 cycles at 80% SoH	3,000 cycles at 80% SoH	3,000 cycles at 80% SoH
Weight	33 kg	76 kg	48.5 kg / 106.9lbs
Cut-off Voltage	41.6 V	41.6 V	41.6 V
Final Charging Voltage	57.6 V	57.6 V	57.6 V
Serial Connection	N/A	N/A	2 (Cannot connect in parallel when used in series)
Max Continuous Discharging Current	70 A	150 A	150 A
Parallel Connection	Up to 16	Up to 16	Up to 16
Cell Configuration	16S4P	16S1P	16S1P
Charger	E Series battery charger	E Series battery charger	E Series battery charger or G Series battery charger when upgraded to 96V system
Charging Time (220 V)	One charger: 2.7 hrs Two chargers in parallel: 1.3 hrs	One charger: 7.2 hrs Two chargers in parallel: 3.6 hrs	One E100 Battery With one E Series charger: 5.1 hrs With two E Series chargers: 2.6 hrs Two E100 Batteries are connected in series With one G Series charger 16A: 3.5 hrs With one G Series charger 32A: 1.8 hrs
Charging Time (110 V)	One charger: 4 hrs Two chargers in parallel: 2 hrs	One charger: 11 hrs Two chargers in parallel: 5.4 hrs	One E100 Battery With one E Series charger: 8.5 hrs With two E Series chargers: 4.3 hrs Two E100 Batteries are connected in series With one G Series charger 16A: 7 hrs With one G Series charger 32A: 3.5 hrs
Charging Temperature	0 to 55°C (32 to 131°F)	0 to 55°C (32 to 131°F)	0 to 55°C (32 to 131°F)
Discharging Temperature	-10 to 60°C (14 to 140°F)	-10 to 60°C (14 to 140°F)	-10 to 60°C (14 to 140°F)
Shipping Classification	UN3480, Class 9, UN38.3 Certified	UN3480, Class 9, UN38.3 Certified	UN3480, Class 9, UN38.3 Certified
Certifications	CE, UKCA, FCC	CE, UKCA, FCC	CE, UKCA, FCC

G Series

Lithium Iron Phosphate Battery (LiFePO4)

High-performance and durable 96 V lithium batteries for electric boating



G102-230 23552 Wh / 96 V

G102-100 10240 Wh / 96 V



1C Rate
Fast Charging



Waterproof
to IP67



CE, UKCA, FCC,
UN38.3 Certification

Features

Fully Compatible with ePropulsion Motors

Powers the 96 V 10 kW to 40 kW ePropulsion motors including the X/I/P Series.*

Maximum Safety

The built in intelligent battery management system (BMS) is designed to deliver maximum safety for users.

Long Life Cycle

The G102-230 (3,500 cycles at 80% SoH) and G102-100 (3,000 cycles at 80% SoH) both last longer than lead-acid batteries.**

* G Series batteries can be connected in parallel to power different ePropulsion motors.

** Under equal capacity.

Space Saving

The slim battery design allows efficient under seat or in boat storage, perfect for maximising space on RIBs and pontoon boats.

High Reliability

All-metal housing is more reliable, weather resistant, impact resistant and drop proof.

High Energy Density

Up to three times the energy density and 70% less weight compared with lead acid batteries.

Easy to Install

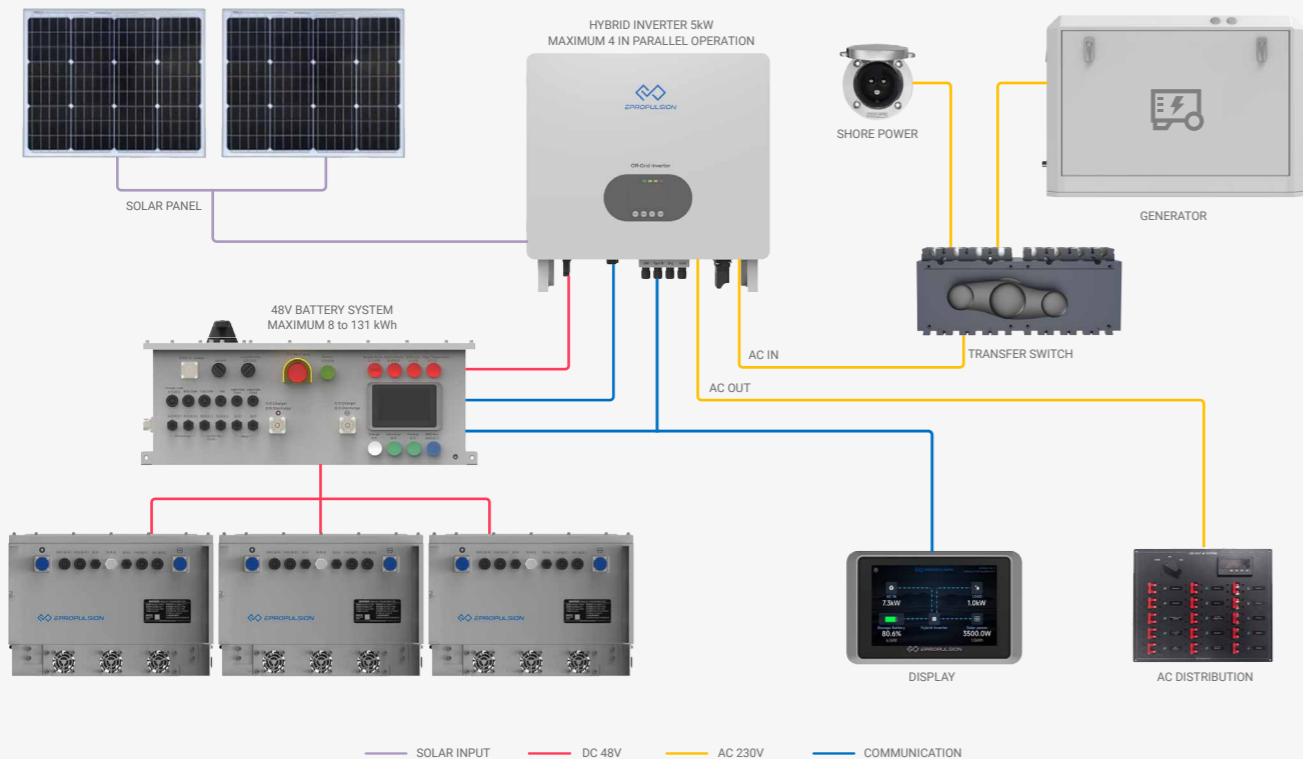
One hand connector installation simplifies setup, while the battery design reduces wiring harness connections compared with traditional series parallel battery arrangements.

Specs

	G102-100 10240 Wh / 100 Ah	G102-230 23552 Wh / 230 Ah
Rated Voltage	102.4 V	102.4 V
Battery Life	3,000 cycles at 80% SoH	3,500 cycles at 80% SoH
Weight	100 kg (220.5 lbs)	180 kg (396.8 lbs)
Dimensions	680 x 500 x 300 mm (26.8 x 19.7 x 11.8 in)	1287 x 366 x 295 mm (50.7 x 14.4 x 11.6 in)
Parallel Connection	Up to 8 in 1 cluster. Multiple clusters are possible in the system	Up to 8 in 1 cluster. Multiple clusters are possible in the system
Cell Configuration	32S1P	32S1P
Charging Temperature	0°C to 55°C	0°C to 55°C
Discharging Temperature	-10°C to 60°C	-10°C to 60°C
Communication	One CAN for ePropulsion motors / One CAN (Two ports) for parallel batteries / One CAN for charger	One CAN for ePropulsion motors / One CAN (Two ports) for parallel batteries / One CAN for charger
Shipping Classification	UN3480, Class 9, UN38.3 Certified	UN3480, Class 9, UN38.3 Certified
Approvals	CE, UKCA, FCC	CE, UKCA, FCC

48V Marine Energy Storage System

Marine Power Reinvented: Efficient, Durable, and Always Adaptable



Explore Boundless Adventures with the ePropulsion 48V Marine Energy Storage System

Experience reliable off grid marine power with ePropulsion's innovative 48 V Energy Storage System. This all-in-one solution combines a dependable LiFePO4 battery, hybrid inverter charger, customisable solar panels and essential system components to deliver sustainable, stable energy wherever your journey takes you.

Key Features



Reliable and Long-Lasting Battery System

- Advanced LiFePO4 batteries, IP67 waterproof, and 3,000-cycle lifespan at 80% SoH.
- Flexible 48V design allows up to 8 batteries in parallel for scalable energy solutions.
- Built-in Battery Management System (BMS) ensures safety and efficiency.



All-in-One 5kW Hybrid Inverter Charger

- Combines inverter, battery charger, and MPPT solar charge controller in one device.
- Handles power from solar, shore, or generator sources, with advanced protection and peak power surge capacity.
- Expandable by connecting up to 4 inverters in parallel.



Customisable Solar Panel Integration

- Supports diverse solar configurations with a wide input range (60–500Vdc).
- Optimised for your vessel to minimise shading losses and minimise energy output.









Smart Monitoring

- Real-time tracking of battery performance, temperature, and energy flow for enhanced efficiency and battery health.







Accessories

We strive to provide the highest quality accessories to enhance your boating experience. The full range of ePropulsion accessories and details are available at <https://www.epropulsion.com/accessories/>







Controls

Digital Helm	Smart Throttle	Smart Display 5"	Smart Display 10"	Evo Tiller	Evo Remote Control
					







Controls

Smart Side Mount Control	Smart Tiller	Smart Control Joystick	Evo Dual Remote Control	E Battery External Display Panel	eLite Charger
					

Charging

eLite 12V Charger	eLite Solar Charger	Spirit 1.0 Plus Charger	Spirit 1.0 Plus 12 V Charger	Spirit 1.0 Plus Solar Charger	Spirit 1.0 Plus Fast Charger
					

Charging






Spirit Battery Charger Ultra	Spirit Battery Solar Charger Ultra	Spirit Battery 12V Charger Ultra	E Battery Charger 25 A	E Battery MPPT Solar Charger Controller 1.6kW	G Battery Charger 16A
					

Charging





G Battery MPPT Solar Charger Controller 2 kW



Propellers

Spirit 1.0 Propeller	Spirit2 Propeller	Navy 3.0 Propeller	Navy 6.0 Low Pitch Propeller	Navy 6.0 High Pitch Propeller
				




Propellers

Navy 6.0 Evo AL Propeller	Pod 1.0 Evo Folding Propeller	Pod 3.0 Evo Folding Propeller	Pod 6.0 Evo Folding Propeller	Pod 6.0 Evo Propeller	X12 Low Pitch Propeller
					

Propellers

X12 High Pitch Propeller	X20 / X40 Low Pitch Propeller	X20 / X40 High Pitch Propeller
		

Bags

eLite Carrying Bag	Spirit 1.0 Outboard Bag Plus & Battery Bag	Spirit 2 Outboard Bag & Battery Bag Ultra
		

MOTORS

PART NO	PRODUCT	DESCRIPTION
ELITE OUTBOARD		
EL-0500-00	eLite Electric Outboard Motor	Electric outboard motor with a max input power of 750W (Sport Mode) and a rated power of 500W, including a 378 Wh battery, an integrated display, a foldable and extendable tiller and a charger. Shaft length can be adjusted between 28.25 cm / 11.12 in to 40.1 cm / 15.8 in.
EL-0500-L0	eLite Electric Outboard Motor Long Shaft	Electric outboard motor with a max input power of 750W (Sport Mode) and a rated power of 500W, including a 378 Wh battery, an integrated display, a foldable and extendable tiller and a charger. Shaft length can be adjusted between 43.25 cm / 17.03 in to 55.1 cm / 21.73 in.
SPIRIT		
SP-0000-X1	Spirit 1.0 Plus Extra Shortshaft	1 kW direct drive electric outboard motor, including a 1276 Wh battery, an integrated tiller and a charger. Shaft length 52.5 cm / 20.7 in.
SP-0000-S1	Spirit 1.0 Plus Shortshaft	Same as above with different shaft length 62.5 cm / 24.6 in.
SP-0000-L1	Spirit 1.0 Plus Longshaft	Same as above with different shaft length 75 cm / 29.5 in.
SP-1111-X1	Spirit 1.0 Plus Extra Shortshaft w/o Battery	1 kW direct drive electric outboard motor, including a tiller and a charger. Battery is excluded. Shaft length 52.5 cm / 20.7 in.
SP-1111-S1	Spirit 1.0 Plus Shortshaft w/o Battery	Same as above with different shaft length 62.5 cm / 24.6 in.
SP-1111-L1	Spirit 1.0 Plus Longshaft w/o Battery	Same as above with different shaft length 75 cm / 29.5 in.
SP-B000-02	Spirit Battery Plus	1276 Wh / 48 V lithium battery for Spirit series outboard motors.
SE-TTTT-S0	Spirit 1.0 Evo Shortshaft	1 kW direct drive electric outboard motor featuring hydrogeneration including a 1276 Wh battery, a detachable tiller and a charger. Shaft length 62.5 cm / 24.6 in.
SE-TTTT-L0	Spirit 1.0 Evo Longshaft	Same as above with different shaft length 75 cm / 29.5 in.
SE-RRRR-S0	Spirit 1.0 Evo Remote Shortshaft	1 kW direct drive electric outboard motor featuring hydrogeneration including a 1276 Wh battery, a remote control, a charger and a remote kit. Shaft length 62.5 cm / 24.6 in.
SE-RRRR-L0	Spirit 1.0 Evo Remote Longshaft	Same as above with different shaft length 75 cm / 29.5 in.
SE-1111-S0	Spirit 1.0 Evo Motor Body Shortshaft	1 kW direct drive electric outboard motor featuring hydrogeneration. Battery and control are excluded. Shaft length 62.5 cm / 24.6 in.
SE-1111-L0	Spirit 1.0 Evo Motor Body Longshaft	Same as above with different shaft length 75 cm / 29.5 in.
SE-R999-00	Spirit 1.0 Evo Remote Kit	This remote kit helps you turn a Spirit 1.0 Evo motor into a remote version that works with a steering wheel.

PART NO	PRODUCT	DESCRIPTION
SPIRIT2		
SU-2000-X0	Spirit 2 XS	2 kW direct drive electric outboard motor featuring hydrogeneration including a 1579 Wh battery, a detachable tiller and a charger. Shaft length 52.5 cm / 20.7 in.
SU-2000-S0	Spirit 2 S	Same as above with different shaft length 62.5 cm / 24.6 in.
SU-2000-L0	Spirit 2 L	Same as above with different shaft length 75 cm / 29.5 in.
SU-2000-SR	Spirit 2 Remote S	2 kW direct drive electric outboard motor featuring hydrogeneration including a 1579 Wh battery, a charger. Shaft length 62.5 cm / 24.6 in.
SU-2000-LR	Spirit 2 Remote L	Same as above with different shaft length 75 cm / 29.5 in.
SU-2222-X0	Spirit 2 XS w/o Battery	2 kW direct drive electric outboard motor featuring hydrogeneration. Battery excluded. Shaft length 52.5 cm / 20.7 in.
SU-2222-S0	Spirit 2 S w/o Battery	Same as above with different shaft length 62.5 cm / 24.6 in.
SU-2222-L0	Spirit 2 L w/o Battery	Same as above with different shaft length 75 cm / 29.5 in.
SU-2222-SR	Spirit 2 Remote S w/o Battery	2 kW direct drive electric outboard motor featuring hydrogeneration. Battery is excluded. Shaft length 62.5 cm / 24.6 in.
SU-2222-LR	Spirit 2 Remote L w/o Battery	Same as above with different shaft length 75 cm / 29.5 in.
SB-0000-U0	Spirit Battery Ultra	/
NAVY		
NE-3000-S1	Navy 3.0 Evo Shortshaft	3 kW direct drive electric outboard motor featuring hydrogeneration. Battery, control and charger are excluded. Shaft length 64 cm / 25.2 in.
NE-3000-L1	Navy 3.0 Evo Longshaft	Same as above with different shaft length 76.5 cm / 30.1 in.
NE-6000-S1	Navy 6.0 Evo (2024) Shortshaft	6 kW direct drive electric outboard motor featuring hydrogeneration. Battery, control and charger are excluded. Shaft length 64 cm / 25.2 in.
NE-6000-L1	Navy 6.0 Evo (2024) Longshaft	Same as above with different shaft length 76.5 cm / 30.1 in.
POD		
P1-0000-E0	Pod Drive 1.0 Evo	1 kW direct drive electric pod drive motor featuring hydrogeneration. Battery, control and charger are excluded.
P3-0000-E0	Pod Drive 3.0 Evo	3 kW direct drive electric pod drive motor featuring hydrogeneration. Battery, control and charger are excluded.
P6-0000-E0	Pod Drive 6.0 Evo	6 kW direct drive electric pod drive motor featuring hydrogeneration. Battery, control and charger are excluded.
P6-AC01-00	P6E Saildrive Conversion Kit	/



PART NO	PRODUCT	DESCRIPTION
E SERIES BATTERY		
EB-0060-00	E60 Battery	3072 Wh / 48 V LiFePO4 battery with 3000 cycles of battery life.
EB-0163-00	E163 Battery	8345 Wh / 48 V LiFePO4 battery with 3000 cycles of battery life.
EB-0100-00	E100 Battery	5120 Wh / 48 V LiFePO4 battery with 3000 cycles of battery life. (Also support 96 V)

CONTROL

PART NO	PRODUCT	DESCRIPTION
NE-TC00-00	Evo Tiller	Detachable tiller with integrated display monitoring real-time motor / battery status, for Spirit Evo models and Navy Evo models.
NE-TC01-L0	Evo/Plus Tiller Extensions 60 cm	For the tiller extension. Applies to Spirit 1.0 Plus/Evo.
NE-RC00-00	Evo Remote Control	Remote control with an integrated display for Spirit 1.0 Evo Remote, Navy Evo models and Pod Drive Evo models.
SE-SM00-00	Smart Side Mount Control Evo	Wired side mount control for Evo outboards and Pod Drive Evo models.
NE-DR00-00	Evo Dual Remote Control	Two-throttle remote control designed for twin installations of Spirit 1.0 Evo Remote, Navy Evo models, and Pod Drive Evo models. It comes with an independent display.
EB-DP00-00	E Battery External Display Panel	Display panel for E40, E80, E175, E60, E163 Batteries.
EE-0000-00	E Battery External Controller	/
NE-PC04-00	Smart Gateway RS-485 to N2K	/
EL-AC01-00	eLite Kill Switch	Magnetic kill switch with safety lanyard included.
S1-TH02-00	Spirit Kill Switch	Magnetic kill switch with safety lanyard included.
SM-TH03-00	Side Mount Kill Switch	Magnetic kill switch with safety lanyard included. Applies to Side Mount Control.
NE-DR02-00	Dual Remote Kill Switch	Magnetic kill switch with safety lanyard included. Applies to Dual Remote Control.
SU-AC07-00	Spirit Kill Switch Ultra	Magnetic kill switch with safety lanyard included.

PART NO	PRODUCT	DESCRIPTION
SU-AC10-00	Spirit Fishing Line Cutter Ultra	/
SU-AC11-00	Spirit Motor Cowling Ultra	/

ACCESSORIES

PART NO	PRODUCT	DESCRIPTION
CHARGER & SOLAR PANEL		
EL-C001-00	eLite Charger	117 W charger for eLite. Input voltage (AC): 100 to 240 V.
EL-C002-00	eLite 12 V Charger	60 W DC-DC charger, allowing the eLite to be charged from a 12 V cigarette lighter power socket.
EL-C003-00	eLite Solar Charger	100 W solar charger with MC4 connector.
SP-C001-01	Spirit 1.0 Plus Charger	180 W charger for Spirit Battery Plus. Input voltage (AC): 100 to 240 V.
SP-C002-00	Spirit 1.0 Plus 12 V Charger	70 W DC/DC charger, allowing a Spirit Battery Plus to be charged from a 12 V cigarette lighter power socket.
SP-C003-01	Spirit 1.0 Plus MPPT	180 W solar charger with MC4 connector.
SP-C004-02	Spirit 1.0 Plus Fast Charger	520 W fast charger. Input voltage (AC): 100 - 240 V.
EC-0025-00	E Battery Charger 25 A	For E Series battery. Max output current: approx. 15 A @110 VAC / 25 A @220 VAC. Parallel connection: max 8 units.
EB-C002-00	E Battery MPPT Solar Charger Controller 1.6 kW	1600 W solar charger, allowing the E battery to be charged with solar energy (solar panel excluded).
FS-P000-00	Foldable Solar Panel	100 W foldable solar panel, designed for the solar charger of Spirit Battery Plus and eLite.
SU-C001-00	Spirit Battery Charger Ultra	218.4 W charger for Spirit Battery Plus. Input voltage (AC): 100 to 240 V.
SU-C004-00	Spirit Battery Fast Charger Ultra	/
SU-C003-00	Spirit Battery Solar Charger Ultra	Rated power 400W and rated output voltage 56V.
SU-C002-00	Spirit Battery 12V Charger Ultra	70 watts DC / DC charger, allowing the Spirit Battery Ultra to be charged from a 10 V ~ 30 V power source.



PART NO	PRODUCT	DESCRIPTION
CABLE		
00-0601-08	Spirit External Battery Cable 1.5 m	This cable allows you to connect the Spirit 1.0 Plus/Evo motor with a 48 V E Series Battery to extend range.
00-0601-09	Spirit 1.0 Plus Extension Power Cable 2 m	Connects the Spirit Battery Plus to the Spirit 1.0 Plus/Evo motor, allowing the battery to be positioned up to 2 metres from the motor.
00-0601-25	Connection Cable for Pod 1.0 Evo and Spirit Battery Plus 1 m	Connects the Spirit Battery Plus and the Pod Drive 1.0 Evo.
00-0603-21	Spirit/Navy Extension Communication Cable 10m	Extend the 10-meter communication cable by an additional 10 meters to enable wired operation from an extended distance.
00-0603-22	Spirit/Navy Extension Communication Cable 2m	Extend the 2-meter communication cable by an additional 2 meters to enable wired operation from an extended distance.
00-0601-01	Spirit/Navy Communication Cable 5 m	Connect an Evo motor to either an Evo control or an E Series battery.
00-0601-04	Spirit/Navy Communication Cable 0.5 m	Connect an Evo motor to either an Evo control or an E Series battery.
00-0601-03	Spirit/Navy Communication Extension Cable 5 m	Extend the 5-meter communication cable by an additional 5 meters to enable wired operation from an extended distance.
00-0601-12	Spirit/Navy Y Type Communication Cable 0.3 m	Communication cable with one male connector and two female connectors, allowing you to connect both the Control and the E Series batteries to an ePropulsion motor.
EB-CP09-00	E Battery Bridging Cable 0.15 m (Positive & Negative)	For E60 & E163 batteries parallel connection.
EB-CP01-00	E Battery Bridging Cable 0.45 m (Positive & Negative)	For E60 & E163 batteries parallel connection.
EB-CP02-00	E Battery Bridging Cable 1.5 m (Positive & Negative)	For E60 & E163 batteries parallel connection.
EB-CP03-00	E Battery Bridging Cable 5 m (Positive & Negative)	For E60 & E163 batteries parallel connection.
EB-CP04-00	E Battery Output Cable 1.5 m (Positive & Negative)	For E60 & E163 batteries and motor connection.
EB-CP05-00	E Battery Power Cable Connector	For E60 & E163 batteries and motor connection.
00-0601-70	E Battery Charger Y Type Communication Cable 0.5 m	For multiple E battery chargers to charge the battery.
EB-AC02-01	Battery Remote Switch 5 m	This switch with a 5 m cable allows you to switch on/off paralleled E60, E163 and G series batteries in a distance. It connects to the CAN-IN port.
EB-CP10-00	Battery Communication Cable Kit 0.5 m	0.5 m communication cable used for parallel connection between E Series batteries or G Series batteries.
EB-CP11-00	Battery Communication Cable Kit 1.5 m	1.5 m communication cable used for parallel connection between E Series batteries or G Series batteries.
EB-CP12-00	Battery Communication Cable Kit 5 m	5.0 m communication cable used for parallel connection between E Series batteries or G Series batteries.

PART NO	PRODUCT	DESCRIPTION
CABLE		
EB-CP12-00	Battery Communication Cable Kit 5 m	5.0 m communication cable used for parallel connection between E Series batteries or G Series batteries.
EB-AC01-01	Battery Communication Terminator	This is a required item for the parallel connection of E60 & E163 & G Series batteries. It connects to the CAN-IN on the master battery and CAN-OUT port on the end battery.
EB-AC05-00	Battery Comm Cable T Connector	CAN T connector with one male connector and two female connectors, allowing you to connect both the control and the E Series and G Series batteries to an ePropulsion motor.
SU-AC01-00	Spirit Battery Extension Cable Ultra 3m	/
SU-AC02-00	Spirit External Battery Cable to E Series Battery Ultra 4.5m	/
PROPELLER, SKEG, ANODE		
EL-M003-00	eLite Propeller	/
S1-M001-00	Spirit 1.0 Propeller	For Spirit Plus/Evo.
N3-LU05-00	Navy 3.0 Propeller	For Navy 3.0, Navy 3.0 Evo and Pod 3.0 Evo, plastic.
N6-LU02-00	Navy 6.0 Low Pitch Propeller	For Navy 6.0 and Navy 6.0 Evo, plastic.
N6-LU12-00	Navy 6.0 High Pitch Propeller	For Navy 6.0 and Navy 6.0 Evo, plastic.
N6-LU01-E0	Navy 6.0 Evo AL Propeller	For Navy 6.0 and Navy 6.0 Evo, aluminum.
NE-LU22-00	Navy 6.0 Evo AL Propeller LH	For Navy 6.0 and Navy 6.0 Evo, aluminum.
NE-LU01-U0	Navy 6.0 Evo (2024) Propeller	For Navy 6.0 Evo (2024), plastic.
P1-LU01-E0	Pod 1.0 Evo Folding Propeller	Copper.
P3-LU01-E0	Pod 3.0 Evo Folding Propeller	Copper.
P6-LU01-00	Pod 6.0 Evo Folding Propeller	Order from ePropulsion Deutschland
P6-M001-00	Pod 6.0 Evo Propeller	Aluminum.
P6-M029-00	Pod 6.0 Evo Propeller LH	Aluminum.
S1-TB03-06	Spirit 1.0 Trapezoidal Anode	Applies to Spirit 1.0 Plus/Evo.



PART NO	PRODUCT	DESCRIPTION
PROPELLER, SKEG, ANODE		
S1-TB02-05	Spirit 1.0 Clamp Base Anode	Applies to all Spirit outboards.
SE-TB01-00	Spirit 1.0 EVO Clamp Anode	Applies to Spirit Plus manufactured since 2022 and Spirit Evo.
SP-M013-00	Spirit 1.0 Plus Motor Anode	Applies to Spirit 1.0 Plus/Evo.
SP-M012-00	Spirit 1.0 Plus Shaft Anode	Applies to Spirit 1.0 Plus/Evo.
P1-LU02-E0	Pod 1.0 Evo Folding Propeller Anode	Applies to Pod 1.0 Evo Folding Propeller.
P3-LU02-E0	Pod 3.0 Evo Folding Propeller Anode	Applies to Pod 3.0 Evo Folding Propeller.
N6-LU01-00	Navy Anode	Applies to Navy Evo, outside of the propeller shaft.
N6-TB11-00	Navy Clamp Anode	Applies to Navy Evo, double inner-side of clamp.
P6-M013-00	Navy EVO Anode	Applies to Navy 6.0 Evo & Pod 6.0 Evo.
N6-AP00-00	Navy Anticavitation Plate	Made of high-strength aluminum alloy.
N6-AP00-E0	Navy 6.0 Evo Anticavitation Plate	Made of high-strength aluminum alloy.
P6-LU02-00	Pod Drive 6.0 Evo Anode Port	Aluminum anode for Pod Drive 6.0 Evo.
P6-LU03-00	Pod Drive 6.0 Evo Anode Starboard	Aluminum anode for Pod Drive 6.0 Evo.
P3-LU01-00	Pod Drive 3.0 Evo Anode	Applies to Pod 3.0 Evo.
N6-LU09-00	Navy 6.0 Evo (2024) Propeller 10 13/16" x 11 15/16" RH	Aluminum alloy.
N6-LU11-00	Navy 6.0 Evo (2024) Propeller 12 5/8" x 8 9/16" LH	Aluminum alloy.
N6-LU10-00	Navy 6.0 Evo (2024) Propeller 12 5/8" x 8 9/16" RH	Aluminum alloy.
SU-LU02-00	Spirit 2 Propeller Ultra	Plastic.
SU-AC08-00	Spirit Clamp Anode Ultra	Aluminum anode for Spirit 2.
SU-AC09-00	Spirit Skeg Anode Ultra	Skeg sacrificial anode for Spirit Ultra.

EXTRA		
EL-BG01-00	eLite Outboard Bag	/
S1-BG00-01	Spirit 1.0 Bag Set Plus	Made for easy transportation and storage of a Spirit outboard and a Spirit battery.
S1-BG01-01	Spirit 1.0 Outboard Bag Plus	Transport and store a Spirit motor. Dimension: 48.8 × 7.8 × 16.5 in / 124 × 20 × 42 cm.
S1-BG02-00	Spirit 1.0 Battery Bag	Transport and store a Spirit battery. Dimension: 11.8 × 7.8 × 16.5 in / 30 × 20 × 42 cm.
S1-M005-00	Spirit 1.0 Plus & Spirit 1.0 Evo Outboard Cover	/
NE-AC06-00	Navy 6.0 Evo (2024) Weed Cutter	Designed to rotate seamlessly with the motor shaft, effectively slicing through weeds, rope, and other debris before they can wrap around the shaft or propeller.
EL-AC05-00	eLite Longshaft Outboard Bag	/
EB-AC41-00	E60/E163 Battery Cover	/
N6-M001-00	Navy Evo Series Outboard Cover	/
SP-M005-00	Spirit Motor Cowling	If a Spirit motor works with an E Series battery, the original Spirit battery is removed. This cowling is put on the top for decoration purpose.
S1-BA01-00	Spirit Battery Power Output Set	Works with the Spirit battery activator to power other appliances.
00-0800-02	Dual Motor Link Arm 700 to 900 mm	For dual-outboard steering.
00-0800-03	Dual Motor Link Arm 400 to 600 mm	For dual-outboard steering.
SR-CM04-00	Link Arm Lock	For locking the steering link arm.
EB-AC04-01	DC-DC 48 to 12 V 60 W	Convert E Series battery from 48 to 12 V.
EB-AC03-02	E Battery Bus Bar 150A V2	/
SU-AC03-00	Spirit Outboard Cover Ultra	/
SU-AC04-00	Spirit Outboard Bag Ultra	Durable storage bag for Spirit 2, offering protection and easy transport.
SU-AC05-00	Spirit Battery Bag Ultra	Durable storage bag for Spirit Battery Ultra, offering protection and easy transport.
SU-AC06-00	Spirit Bag Set Ultra	Durable storage bag for Spirit 2 and Spirit Battery Ultra, offering protection and easy transport.
SU-AC10-00	Spirit Fishing Line Cutter Ultra	/
SU-AC11-00	Spirit Motor Cowling Ultra	/



48V MARINE ENERGY STORAGE SYSTEM

PC-C001-00	Hybrid Inverter Charger 48V 5kW	/
PC-PD01-00	Energy Distribution Unit 48V	/
/	Battery System per Wh	Can be customised between 8-131 kWh.
/	Solar Panel	Customisable upon request.

Ordering Information (96V)

PART NO	PRODUCT	DESCRIPTION
POD DRIVE ESSA		
PA-0000-00	Pod Drive 12 eSSA	12 kW direct drive electric pod drive motor featuring hydrogeneration. Battery, control and charger are excluded.
PA-AC00-00	Pod Drive 12 eSSA Saildrive Conversion Kit	/
PB-0000-00	Pod Drive 20 eSSA	20 kW direct drive electric pod drive motor featuring hydrogeneration. Battery, control and charger are excluded.
PB-SS00-00	P12/P20 Power Steering Module	Compatible with the Pod Drive 12 eSSA and Pod Drive 20 eSSA and enables the pod motors to rotate -180° to +180°, delivering exceptional maneuverability.
PB-SS01-00	P12 Power Steering Module Adapter Plate	To pair the P12/P20 Power Steering Module (PB-SS00-00) with the Pod Drive 12 eSSA motor, this adapter plate must be ordered separately.
PB-SS02-00	P20 Power Steering Module Adapter Plate	To pair the P12/P20 Power Steering Module (PB-SS00-00) with the Pod Drive 20 eSSA motor, this adapter plate must be ordered separately.

I-Series INBOARD

A1-0000-01	I-10 Electric Inboard Motor	Electric inboard motor with a rated power of 10 kW.
A2-0000-01	I-20 Electric Inboard Motor	Electric inboard motor with a rated power of 20 kW.
A4-0000-00	I-40 Electric Inboard Motor	Electric inboard motor with a rated power of 40 kW.

X SERIES OUTBOARD

X1-0000-S0	X12 Electric Outboard Motor-S	Electric outboard motor with a rated power of 12 kW. Battery, control and charger are excluded. Shaft length 38.1 cm / 15 in.
X1-0000-L0	X12 Electric Outboard Motor-L	Electric outboard motor with a rated power of 12 kW. Battery, control and charger are excluded. Shaft length 50.8 cm / 20 in.
X2-0000-L0	X20 Electric Outboard Motor-L	Electric outboard motor with a rated power of 20 kW. Battery, control and charger are excluded. Shaft length 50.8 cm / 20 in.
X2-0000-X0	X20 Electric Outboard Motor-XL	Electric outboard motor with a rated power of 20 kW. Battery, control and charger are excluded. Shaft length 63.5 cm / 25 in.
X4-0000-L0	X40 Electric Outboard Motor-L	Electric outboard motor with a rated power of 40 kW. Battery, control and charger are excluded. Shaft length 50.8 cm / 20 in.
X4-0000-X0	X40 Electric Outboard Motor-XL	Electric outboard motor with a rated power of 40 kW. Battery, control and charger are excluded. Shaft length 63.5 cm / 25 in.

E SERIES BATTERY

EB-0100-00	E100 Battery	Has a capacity of 5120Wh and supports the eSSA system.
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G SERIES BATTERY

GB-0100-01	G102-100 Battery	10240 Wh / 96 V LiFePO4 battery with 3000 cycles of battery life.
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GB-0230-00	G102-230 Battery	23552 Wh / 96 V LiFePO4 battery with 3000 cycles of battery life.
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CONTROL

PART NO	PRODUCT	DESCRIPTION
XS-RC00-00	Smart Throttle	Wired remote control for X Series outboard motors, I-Series inboard motors and Pod Drive eSSA models.
X1-SM00-00	Smart Side Mount Control eSSA	Wired side mount control for X Series outboard motors, I-Series inboard motors and Pod Drive eSSA models.
XS-DP00-00	Smart Display 5"	Display panel for X Series outboard motors, I-Series inboard motors and Pod Drive eSSA models.
XS-SW00-A0	Digital Helm	For X series outboard steering. A steering wheel is included.
XS-AC03-00	Smart Throttle Kill Switch	Magnetic kill switch with safety lanyard included.
X1-SM01-00	Smart Side Mount Control Kill Switch	Magnetic kill switch with safety lanyard included.
A1-CP00-00	GPS&Antenna Package	One GPS antenna and one 4G antenna.
XS-DP00-L0	Smart Display 10"	Functions as both a propulsion display and an energy management display.
X1-TH00-00	Smart Tiller	Tiller control for electric outboard motors, featuring an integrated display and power trim/tilt buttons.
XS-SJ00-00	Smart Control Joystick	Compact control device that facilitates both throttle and helm control from a single interface.

ENERGY SYSTEM

GB-C001-00	G Battery Charger 16 A	For G Series battery. Max input current (both 110 V / 220 V): approx. 16 A.
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PART NO PRODUCT DESCRIPTION

ENERGY SYSTEM

GB-C004-00	G Battery Charger 32 A	For G Series battery. Max input current (both 110 V/220 V): approx. 32 A.
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GB-C002-00	G Battery MPPT Solar Charger Controller 2 kW	2000 W solar charger, allowing the G battery to be charged with solar energy (solar panel excluded).
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A1-M001-00	Bus Box 250 A	Connect 96 V batteries with a DCDC converter, a charger and the ePropulsion motor.
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A1-DC00-02	DC-DC Converter 96V-12V 500W	/
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HP-0001-00	DC-AC Inverter 96V/230V 6kW	/
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PC-AC01-00	Rectifier 230VAC-96VDC 10KW	/
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PC-DC01-00	DC-DC Converter 96VDC/12VDC 60A	/
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PC-DC02-00	DC-DC Converter 96VDC/24VDC 40A	/
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PC-DC03-00	DC-DC Converter 96VDC/48VDC 21A	/
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PC-PP05-00	Distribution Box 96VDC	Distribute 96V power among the 96V battery bank, rectifier, DC-AC, and DC-DC, with a maximum of 18 panels.
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PC-PP06-00	Distribution Box 220VAC	Distribute 220VAC power among the shore power, rectifier and DC-AC, with a maximum of 18 panels.
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PC-ES01-00	eSSA EMS Controller	/
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PC-PP07-00	Battery Isolator 96VDC 200A/300A	The system is factory-fitted with a 300A fuse, allowing a maximum current of 300A. This can be manually replaced with a 200A fuse to limit the maximum allowable current to 200A.
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PROPELLER

X1-LU01-R0	X12 Propeller 11 13/16" x 10 5/8" RH	Plastic.
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X1-LU02-R0	X12 Propeller 11 13/16" x 15 3/8" RH	Stainless steel.
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X4-LU01-R0	X20/X40 Propeller 15" x 10 3/4" RH	Aluminum.
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X4-LU01-L0	X20/X40 Propeller 15" x 10 3/4" LH	Aluminum.
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X4-LU02-R0	X20/X40 Propeller 13 3/8" x 16 3/4" RH	Aluminum.
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PROPELLER		
PA-LU03-00	X12/P12 Propeller 11 13/16"x 9 13/16"RH	For P12 and X12, stainless steel.
PA-LU02-00	P12 Folding Propeller	Copper.
PB-LU01-00	P20 Propeller 15" X 10 3/4"	For P20, X20 and X40, stainless steel.
X1-TS01-00	X12 Anode Assy	/
X2-M047-00	X20 Anticavitation Plate Anode Assy	/
X4-M109-00	X40 Motor Casing Anode Assy	/
X4-TB30-00	X40 Clamp Anode Assy	/
X4-M110-00	X40 Skeg Anode Assy	/
PA-M001-00	P12 Anode Assy	/
X1-LU02-L0	X12 Propeller 11 13/16"x 15 3/8"LH	/
PA-LU03-L0	X12/P12 Stainless Steel Propeller 11 13/16"x 9 13/16"LH	Five-blade stainless steel propeller.
X4-AP01-00	X40 Anti-cavitation plate	The anti-cavitation plate for the X40 outboard is crafted from durable, high-strength aluminum alloy and is suitable for use in saltwater.

CABLE		
00-0603-09	ESSA Communication 5-way T Connector	Two connectors for backbone connections and three for adding dropline devices.
00-0603-01	ESSA Communication 3-way T Connector	Two connectors for backbone connections and one for adding dropline device.
00-0603-10	ESSA Communication Terminator 120 Ω	A communication terminator must be present at the two physical end points of the eSSA network.
00-0603-11	ESSA Communication Terminator 360 Ω	A communication terminator must be present at the two physical end points of the eSSA network.
00-0603-08	ESSA Communication Extension Cable 5 m	One male and one female connector.
00-0603-07	ESSA Communication Extension Cable 10 m	One male and one female connector.
00-0603-06	ESSA Communication Cable 1 m	Two female connectors.

CABLE		
EB-AC02-01	Battery Remote Switch 5 m	This switch with a 5 m cable allows you to switch on/off paralleled E60, E163 and G series batteries in a distance. It connects to the CAN-IN port.
EB-CP10-00	Battery Communication Cable Kit 0.5 m	0.5 m communication cable used for parallel connection between E Series batteries or G Series batteries.
EB-CP11-00	Battery Communication Cable Kit 1.5 m	1.5 m communication cable used for parallel connection between E Series batteries or G Series batteries.
EB-CP12-00	Battery Communication Cable Kit 5 m	5.0 m communication cable used for parallel connection between E Series batteries or G Series batteries.
EB-AC01-01	Battery Communication Terminator	This is a required item for the parallel connection of E60 & E163 & G Series batteries. It connects to the CAN-IN on the master battery and CAN-OUT port on the end battery.
EB-AC05-00	Battery Comm Cable T Connector	CAN T connector with one male connector and two female connectors, allowing you to connect both the control and the E Series and G Series batteries to an ePropulsion motor.
00-0603-14	G Battery Output Cable Kit 10 m (Positive & Negative)	For G Series batteries and motor connection.
GB-CP01-01	G Battery Bridging Cable 0.5 m (Positive & Negative)	For G Series batteries parallel connection.
GB-CP02-01	G Battery Bridging Cable 1.5 m (Positive & Negative)	For G Series batteries parallel connection.
GB-CP03-01	G Battery Bridging Cable 5 m (Positive & Negative)	For G Series batteries parallel connection.
00-0603-17	Extension Communication Cable 1m	One male and one female connector.
00-0603-19	EP-CAN Extension Communication Cable 3m	One male and one female connector.

EXTRA		
X1-AC04-00	X12 Outboard Cover	This water-resistant cover protects your outboard motor from UV rays, dirt, and rain. Quick-release buckle straps on the front makes installation and removal fast and effortless.
X4-AC10-00	X20 & X40 Outboard Cover	This water-resistant cover protects your outboard motor from UV rays, dirt, and rain. Quick-release buckle straps on the front makes installation and removal fast and effortless.
GB-AC35-00	CAN Hub	This CAN hub is needed when multiple G battery chargers are connected in parallel, supporting up to four G battery chargers in parallel connection.

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