

G102-100 Battery

Lithium Iron Phosphate Battery (LiFePO4)

High-performance, durable and long lasting lithium iron phosphate battery for electric boating.

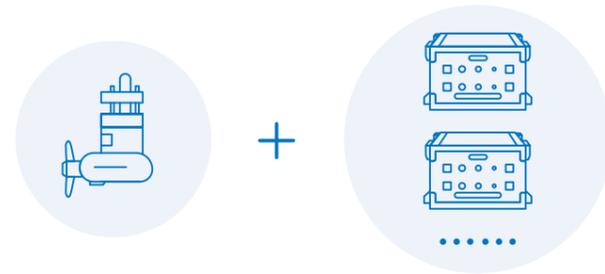
- Fully Compatible with Pod Drive 12 eSSA
- Safe and Reliable
- High Energy Density
- Long Life Cycle



10240 Wh / 96 V

Flexible & Scalable

The Pod Drive 12 eSSA is ideal for both custom-designed new boat installation and for retrofitting old boats. Different numbers of batteries can be selected according to the speed and range requirements (up to 16 in parallel).



Runtime with 1 x G102-100 battery

Half Speed Runtime / 5Hrs +

Full Speed Runtime / 50 Mins

Runtime with 2 x G102-100 batteries

Half Speed Runtime / 10Hrs +

Full Speed Runtime / 1Hr 40mins

ePropulsion

POD DRIVE 12 eSSA

12 kW / NEW

Space-Saving Electric Propulsion System
for New-Build Boats & Repowers



Specs

Input Power

12 kW

Nominal Voltage

96 VDC

Weight (driver unit included)

35 kg (77.2 lbs)

Dimensions
(L x W x H)

Motor: 424 x 300 x 750 mm (16.7 x 11.8 x 29.5")
Driver unit: 274 x 221 x 167 mm (10.8 x 8.7 x 6.6")

Cooling System

Motor: Natural cooling
Driver unit: Air cooling

Rated RPM

1400 to 2100

Propeller

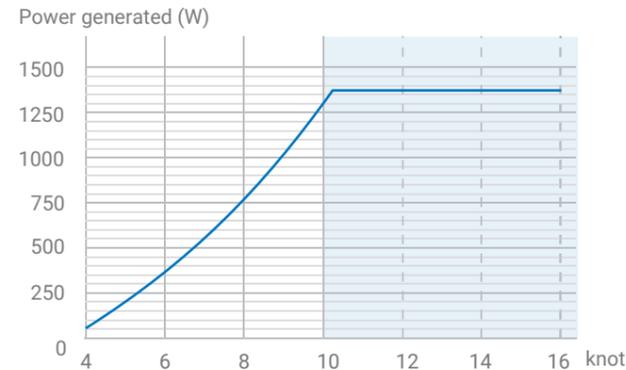
11.8" x 9" propeller (available in L&R rotation)
13" x 9 3/4" folding propeller

* The specifications are for reference only.

 EPROPULSION

High Reliability

- Improved impact resistance: Crafted from high-strength aluminum alloy and subjected to rigorous collision tests.
- Effortless natural cooling: Pod Drive 12 eSSA cools itself by submerging in water, eliminating the need for cooling channels and the risk of blockages.



Hydrogeneration

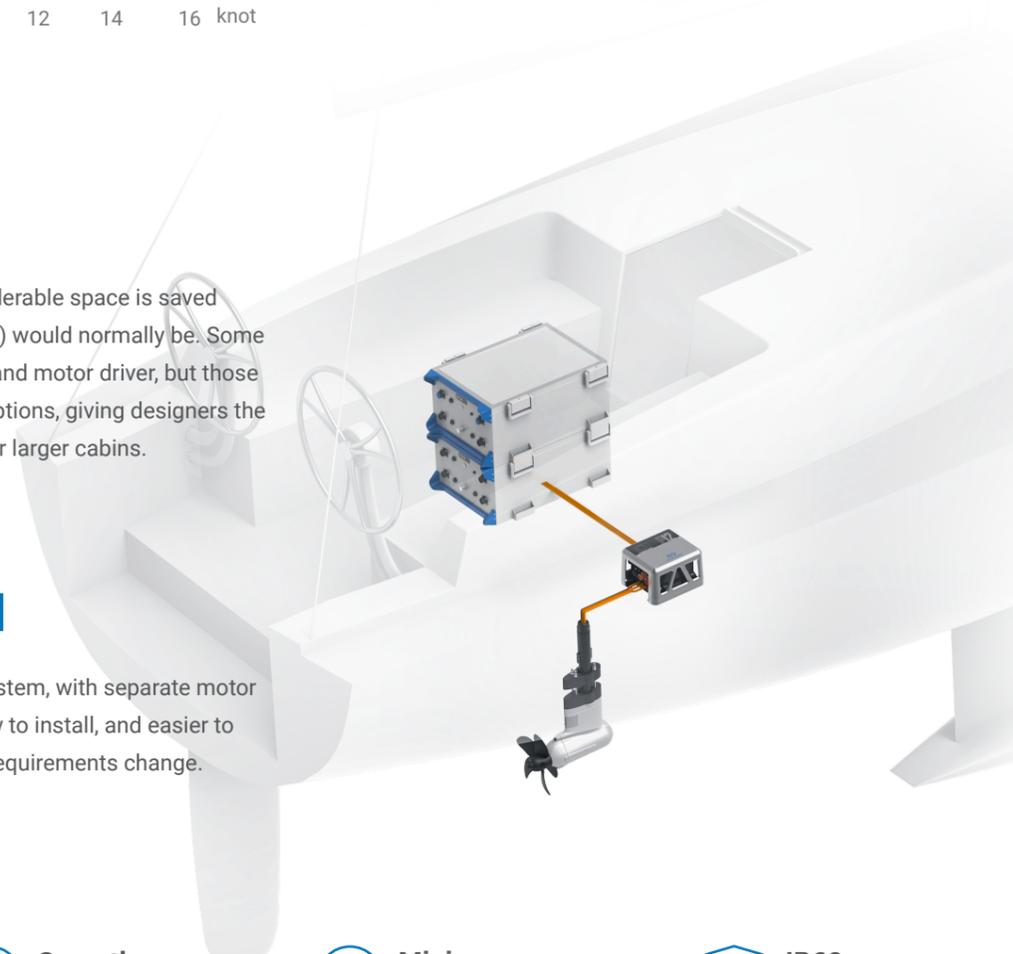
Equipped with a hydrogeneration function as standard, Pod Drive 12 eSSA can charge your batteries when sailing. It will start charging from around 4 knots, and can generate up to 1400W.

Space Saving

As it's an external pod drive, considerable space is saved where the diesel engine and tank(s) would normally be. Some of that is needed for the batteries and motor driver, but those components have more location options, giving designers the potential to include extra storage or larger cabins.

Easy to Install

Pod Drive 12 eSSA is a modular system, with separate motor and driver units. This makes it easy to install, and easier to upgrade in the future if the user's requirements change.



Quiet & Clean



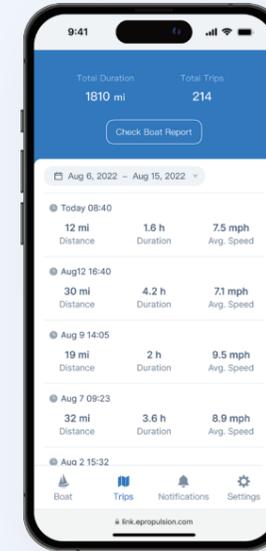
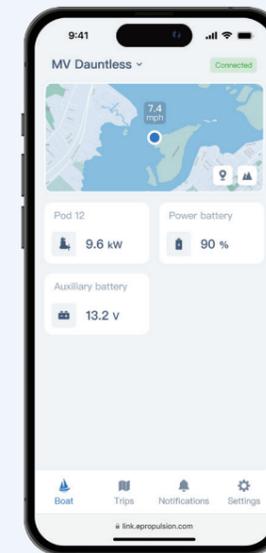
Smooth running



Minimum Maintenance



IP68 Waterproof



ePropulsion Link

Connectivity

The Pod Drive 12 eSSA has ePropulsion's Connectivity Service built in. This keeps you in touch with your boat's status in real time, including monitoring, reporting, and trip tracking functions.

NMEA 2000 Compatible

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

Smart and User-friendly Control System

The HMI system, Smart Throttle and Smart Display 5" offer intuitive, fingertip control and comprehensive information at the helm.



Performance and Range*

Input (kW)	3	6	9	12
Speed (kph / knot)	7.8 / 4.2	10.3 / 5.6	11.6 / 6.3	12.1 / 6.5
Runtime (hh:mm)	3:20	1:40	1:06	0:50
Range (km / nm)	26 / 14	17.2 / 9.3	12.9 / 7	10.1 / 5.4

* The performance data is based on a 30-foot shallow draft sailboat with 4250kg displacement, powered by one Pod Drive 12 eSSA with one G102-100 battery in calm lake water.