



# OCEANVOLT SEA®

Perfect solution for monohulls

Silent Electric Autonomy





## OCEANVOLT SEA®

The SEA in Oceanvolt SEA® stands for Silent Electric Autonomy. Oceanvolt SEA® is a complete electric motor system for catamarans and sailboats between 20-60 ft.

Oceanvolt SEA® includes the motors, batteries, chargers, solar panels, wind turbines and generators. The autonomy feature relates to the powerful regeneration by the motors themselves.

Oceanvolt SEA® even enables running the air conditioning system overnight without the generator thanks to the large propulsion battery capacity.

## SILENT & LIGHTWEIGHT

Imagine motoring in silence and hearing just the sounds of the sea. Compared to combustion engines, the system is silent, simple and reliable. The system does not burn fuel or cause CO2 emissions.

## INSTANT POWER

Thanks to the synchronous permanent magnet DC motors, the system gives you immediate power and torque when switched on.

**“It’s a dream come true. It feels good to see the boat in the water and it will be a weird feeling to leave the port in ‘silence’!”**

–Damien Seguin, Class 40 racing boat

**“Best thing ever”**

– Timo Gröhn, X-Yachts X-302

**”Electric motors have been married to saildrive legs before, but Finland’s Oceanvolt incorporates a number of features in its well-designed SD8.6 and SD15 units that clearly bring them to the head of the pack.”**

– SAIL Magazine



## OCEANVOLT SD

The Oceanvolt electric motor system is the result of over eight years of product development and testing. Tests have been conducted both in the laboratory and at sea. State of the art technology and its benefits are what give Oceanvolt its competitive edge.

The material used to create the saildrive of the regenerative system is a special marine grade cast aluminum coated with durable epoxy. A large surface sacrificial anode completes the equation, which guarantees maximum protection against corrosion.

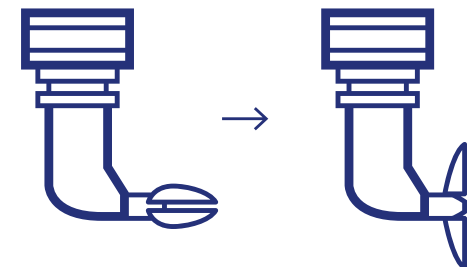
**“The Oceanvolt SD system has a patented, flexible mounting to attach the motor to the sailboat hull to absorb vibrations.”**

- General Director Janne Kjellman



**“Additionally we invented a feature by which the folding propeller can be optimally used to regenerate electricity and charge batteries while sailing.”**

- Technical Director Richard Lax





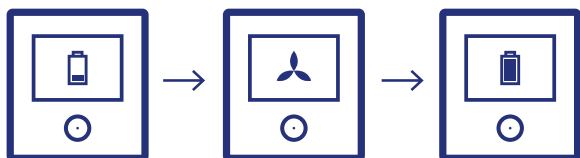
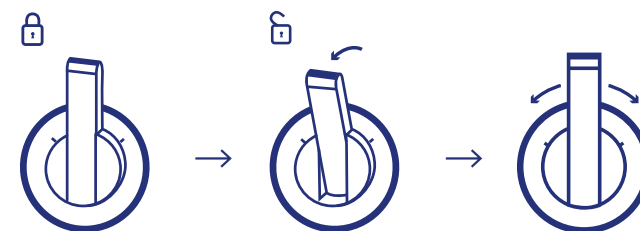
## 3.2" DISPLAY

The 3.2" color display is easy to use even in demanding conditions. All the necessary information can be read quickly thanks to simple and illustrative graphics. The display shows the battery charge, engine speed, and power level as well as the exact remaining operating time at any chosen speed.

## THROTTLE LEVER

The throttle lever of Oceanvolt's electric propulsion system is manufactured out of sea water resistant anodized aluminum. The LED lights in the lever indicate the system status. The technology utilizes reliable CAN bus technology.

The highly accurate throttle lever makes maneuvering the boat easier in tight situations. Pressing the lever into off position prevents accidental use of the motor.



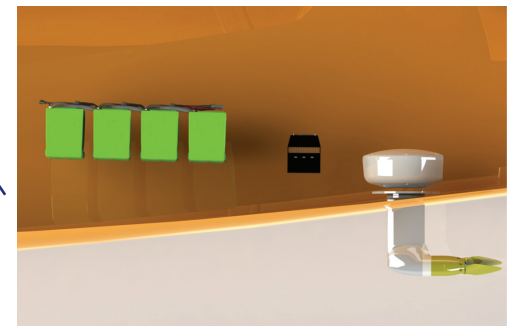
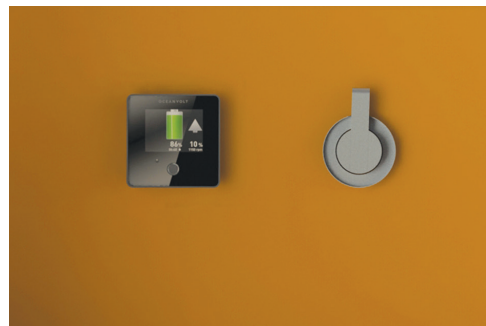
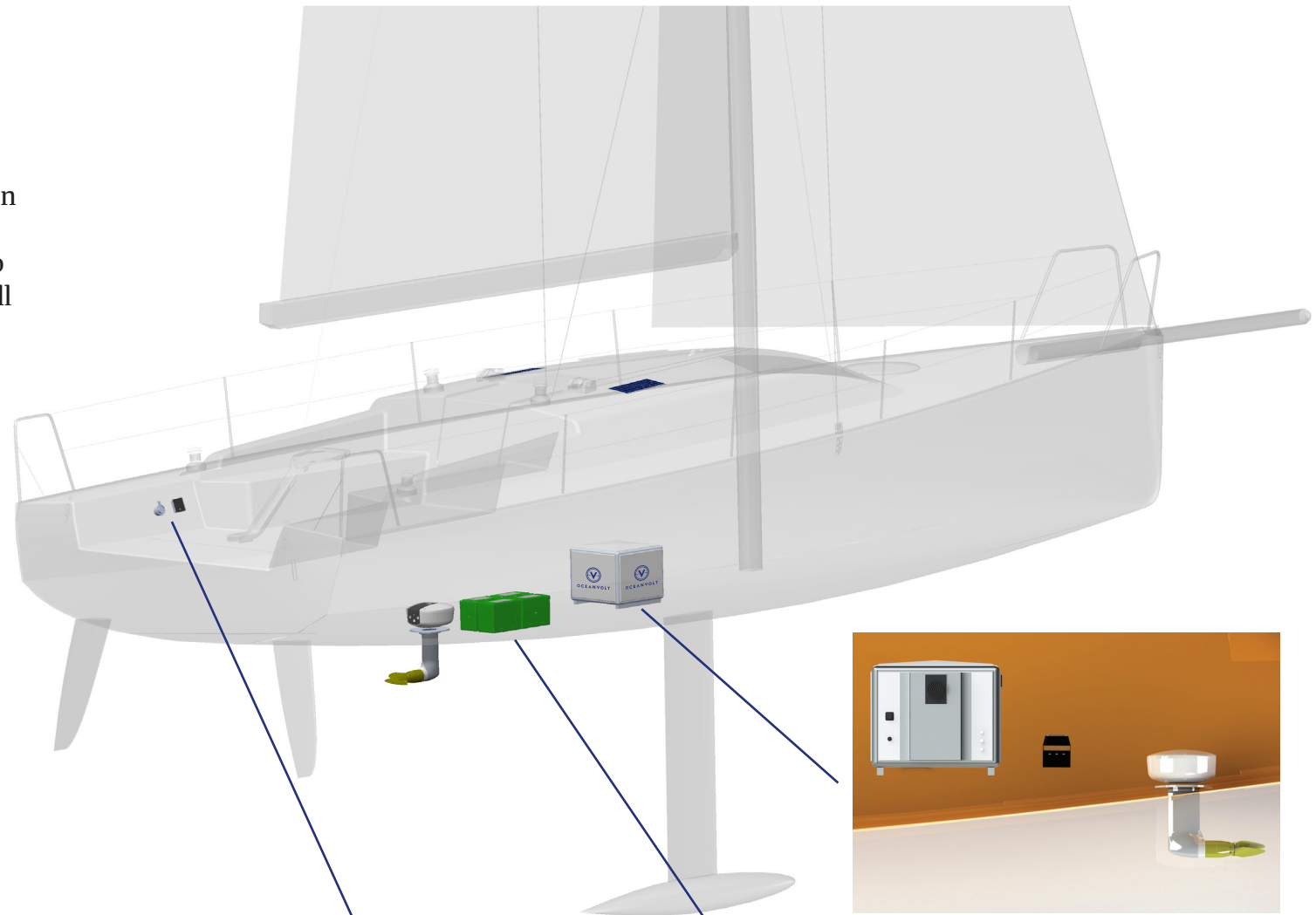
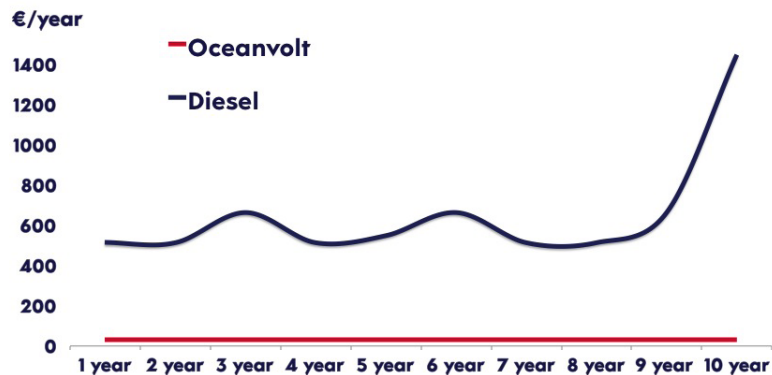


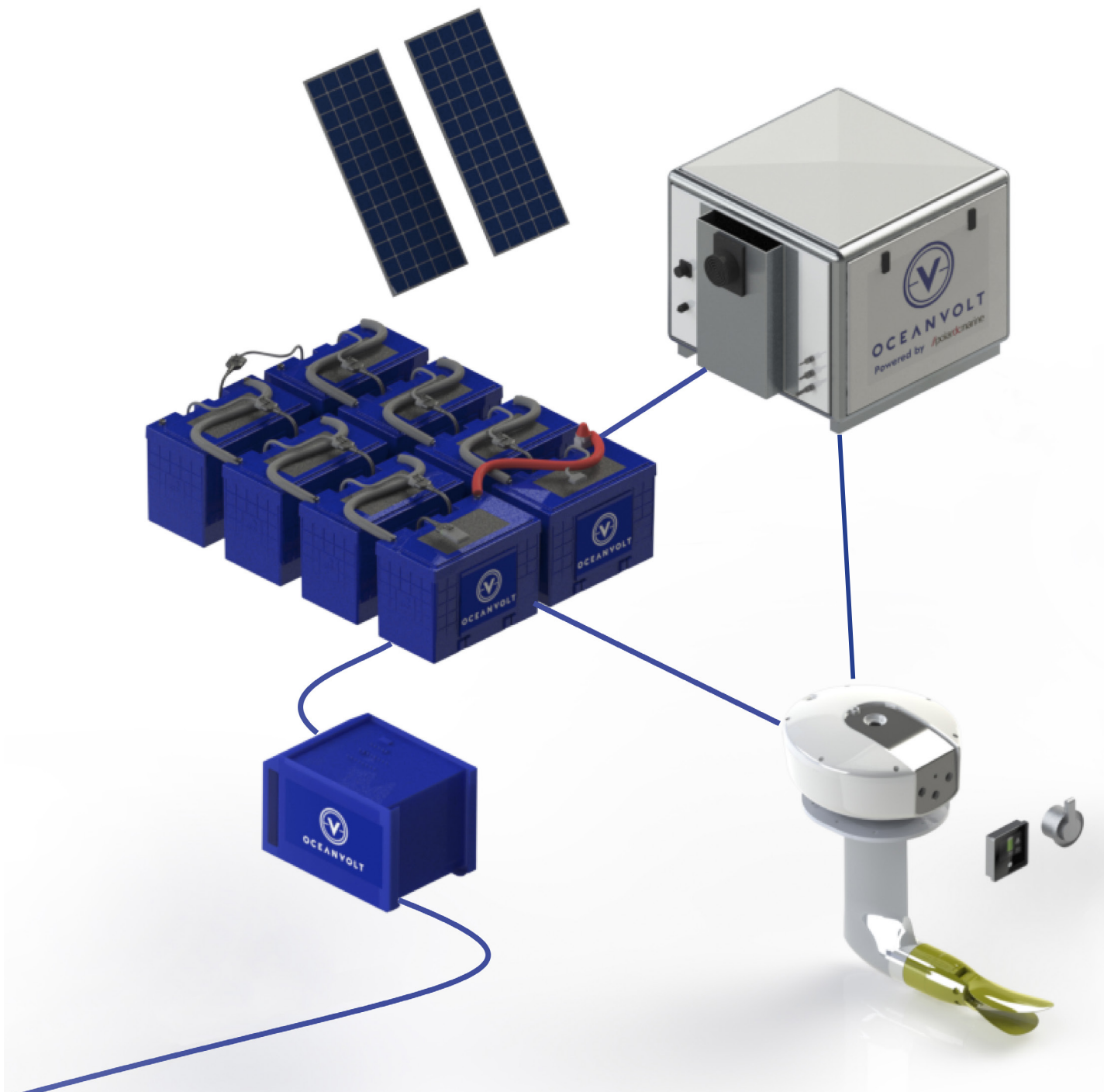
## ELECTRIC AUTONOMY

Generate all your energy needs from the wind, sun and your Oceanvolt motor. Become independent from shore power and eliminate the need to go to marinas. If needed, our super-quiet generator will run less than one hour to power the vessel for an entire day from batteries alone.

## MINIMAL MAINTENANCE

Tired of expensive and time-consuming maintenance work? Compared to traditional combustion motor the Oceanvolt electric motors require minimal maintenance, just an oil change once a year, if even that.





## RECHARGE BATTERIES WHILE SAILING

Intelligent motor controlling allows recharging the batteries while sailing with fixed and folding propellers with just one push of the button. At 13kn of speed you can recharge the batteries 2kW/h.

## LITHIUM BATTERIES

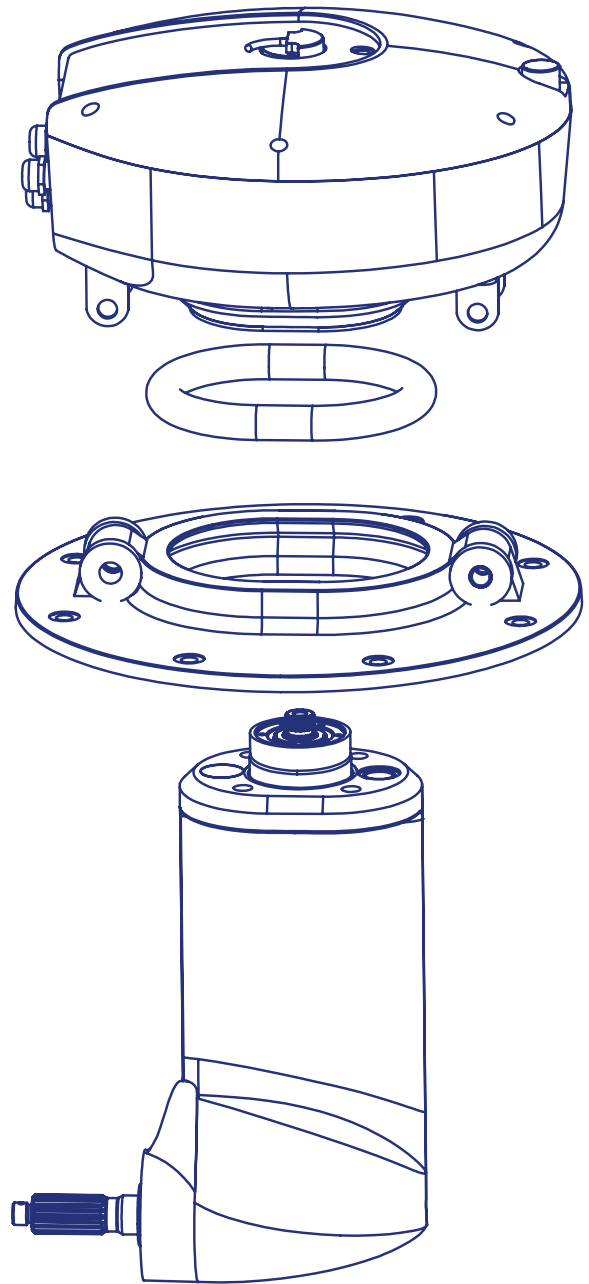
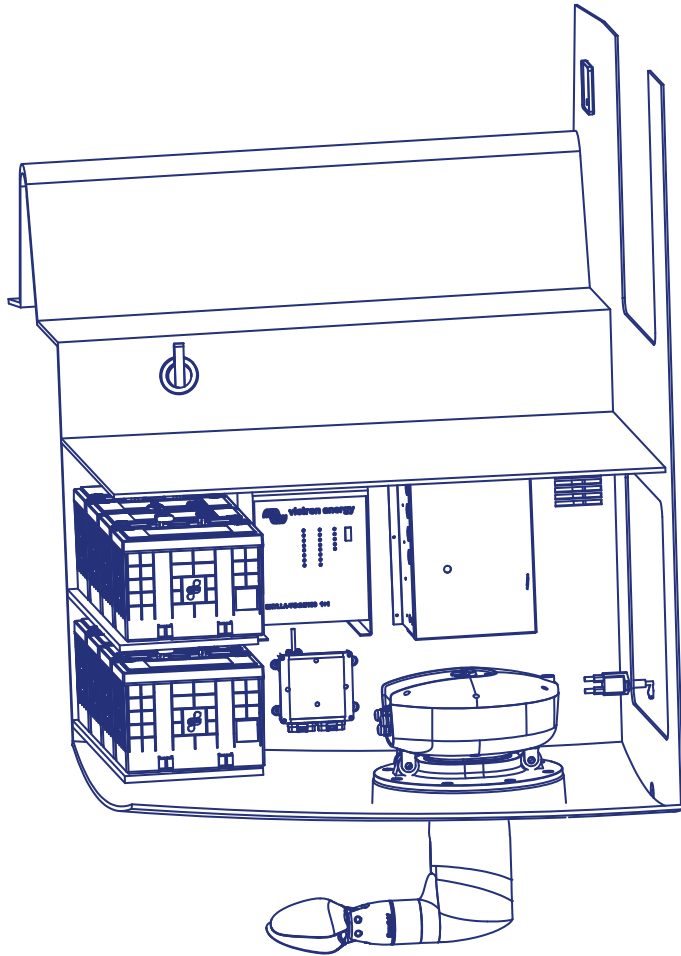
Lithium batteries are superior to traditional lead acid batteries in three aspects: safety, performance and lifetime.

## RUN YOUR APPLIANCES WITHOUT A GENERATOR

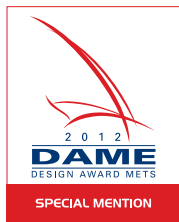
Oceanvolt SEA<sup>®</sup> system enables running large electricity consumers like the airconditioning system from the large capacity battery pack without starting your generator. Recharging can take place either by sailing, solar panels, a wind turbine, shore power or a generator.

## REFIT INSTALLATION

The Oceanvolt refit attachment flange is designed for easy installations to fit directly onto existing saildrive beds of Yanmar and Volvo motors. No further adjustments are needed. The flange is glued on the old saildrive bed, and even the old bolt holes are used.



<b>Model</b>	<b>SD10</b>	<b>SD15</b>
<b>Nominal power</b>	<b>10kW</b>	<b>15kW</b>
<b>Motor speed</b>	<b>2200 rpm</b>	<b>2200 rpm</b>
<b>Reduction ratio</b>	<b>1,93:1</b>	<b>1,93:1</b>
<b>Motor weight</b>	<b>46.5kg / 102.5lb</b>	<b>46.5kg / 102.5lb</b>
<b>Battery suggestion</b>	<b>Valence 7-14 kWh Li-ion</b>	<b>Valence 14-21 kWh Li-ion</b>
<b>Weight with batteries</b>	<b>124kg / 273lb</b>	<b>206.5kg / 455lb</b>
<b>Boat example</b>	<b>Maestro 345 - Arcona 37</b>	<b>Maestro 40 - Akilaria RC3</b>
<b>Equal diesel motor</b>	<b>Volvo Penta D1-20</b>	<b>Nanni Diesel N3.30</b>
<b>Equal diesel total weight</b>	<b>144kg / 317lb</b>	<b>180kg / 397lb</b>



### Interested? Please contact us at:

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**Maestro 345 3D -photo courtesy of:**  
Maestro Boats/  
Strahlmann Yacht Design  
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