



**OCEANVOLT**

**COMPLETE ELECTRIC MOTOR SYSTEM**





# HARNESS THE POWER OF SEA<sup>®</sup>

**GUNBOAT G4**

Please read the full story at [oceanvolt.com/GUNBOAT-G4](https://oceanvolt.com/GUNBOAT-G4)

# OCEANVOLT – ELECTRIC MOTOR SYSTEMS



Energy from Sailing



Maintenance free



Silent & Lightweight

Oceanvolt offers complete electric motor systems with clear benefits compared to diesel motors. The system creates energy while sailing, is silent, lightweight and maintenance free. You can install it **to any sailboat between 20-60 ft.** whether new or old.

Oceanvolt electric motor systems **generate up to 4000W.** This will recharge the batteries. Complemented with solar power and shore power, there is no need to use generator while sailing. Compared to traditional diesel motors the Oceanvolt electric motors have no gears or components that can break or need to be replaced every year – You could save up to 57% on your operation costs if motorsailing seven hours a day all year long.

The Oceanvolt SD system has a **patented, flexible mounting** to attach the motor to the sailboat hull to absorb vibrations. This feature also makes it possible to refit or install the electric motor system on any boat.



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*"Everything feels so smooth. Low noise, no vibration, no heat in the cabin, no smell and no maintenance. Instant power. Just nice compared to a diesel."*

*"The first results surpassed all of our expectations concerning speed and even the range of the Oceanvolt system."*

# OCEANVOLT SEA®

## - FOR MONOHULLS & MULTIHULLS 20-60 FT

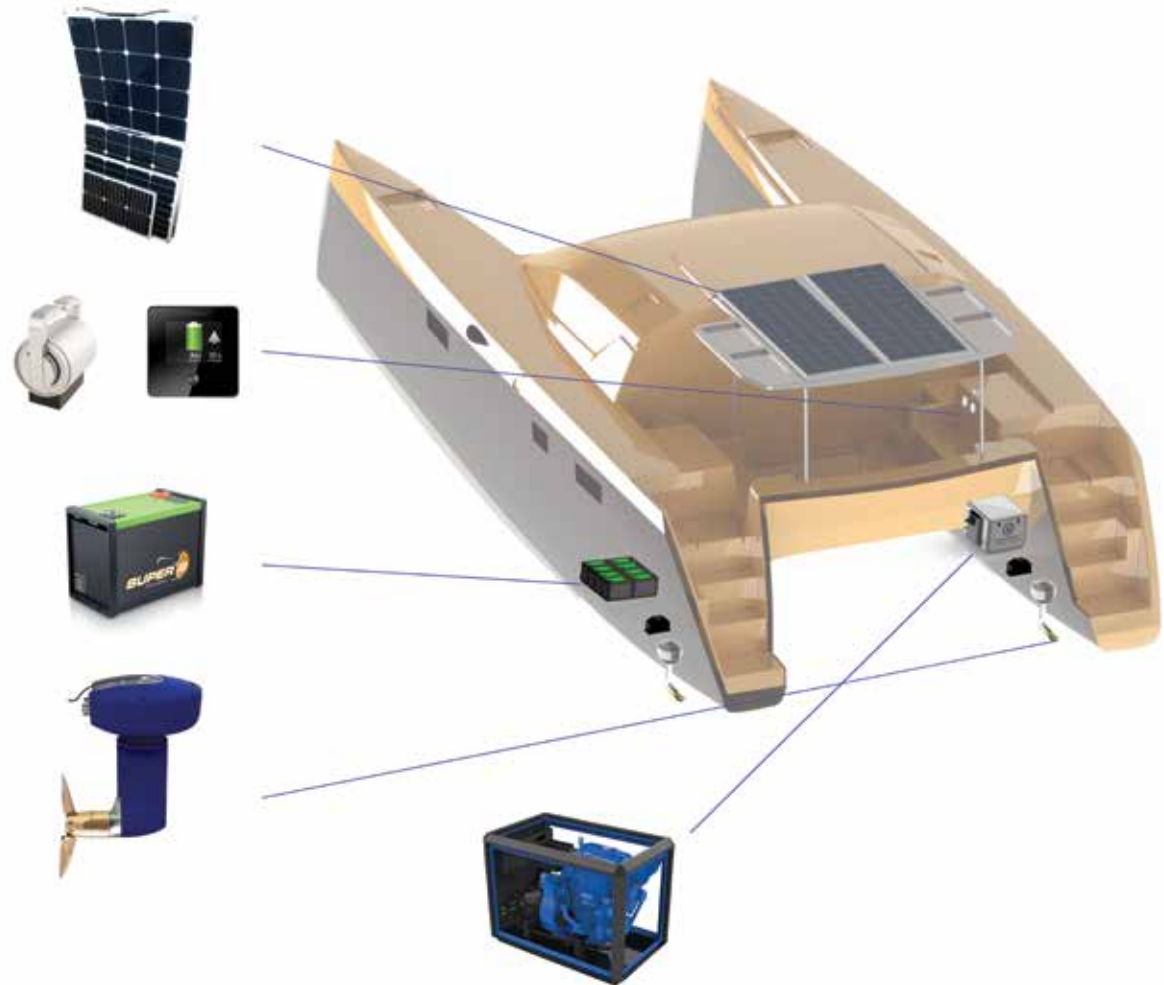
Oceanvolt SEA® stands for **Silent Electric Autonomy**. It is a complete electric motor system for monohulls and multihulls between 20-60 ft. SEA® has everything you need to become energy autonomous.

### Renewable & Silent Energy

Oceanvolt SEA® creates up to 4000W energy. This will **recharge your batteries while you are sailing**. Together with solar power and shore power, there is almost no need for using the generator as the battery pack lasts a minimum of 24h up to two weeks depending on use. You can enjoy a picture-perfect sailing experience by day and a good night sleep by night.

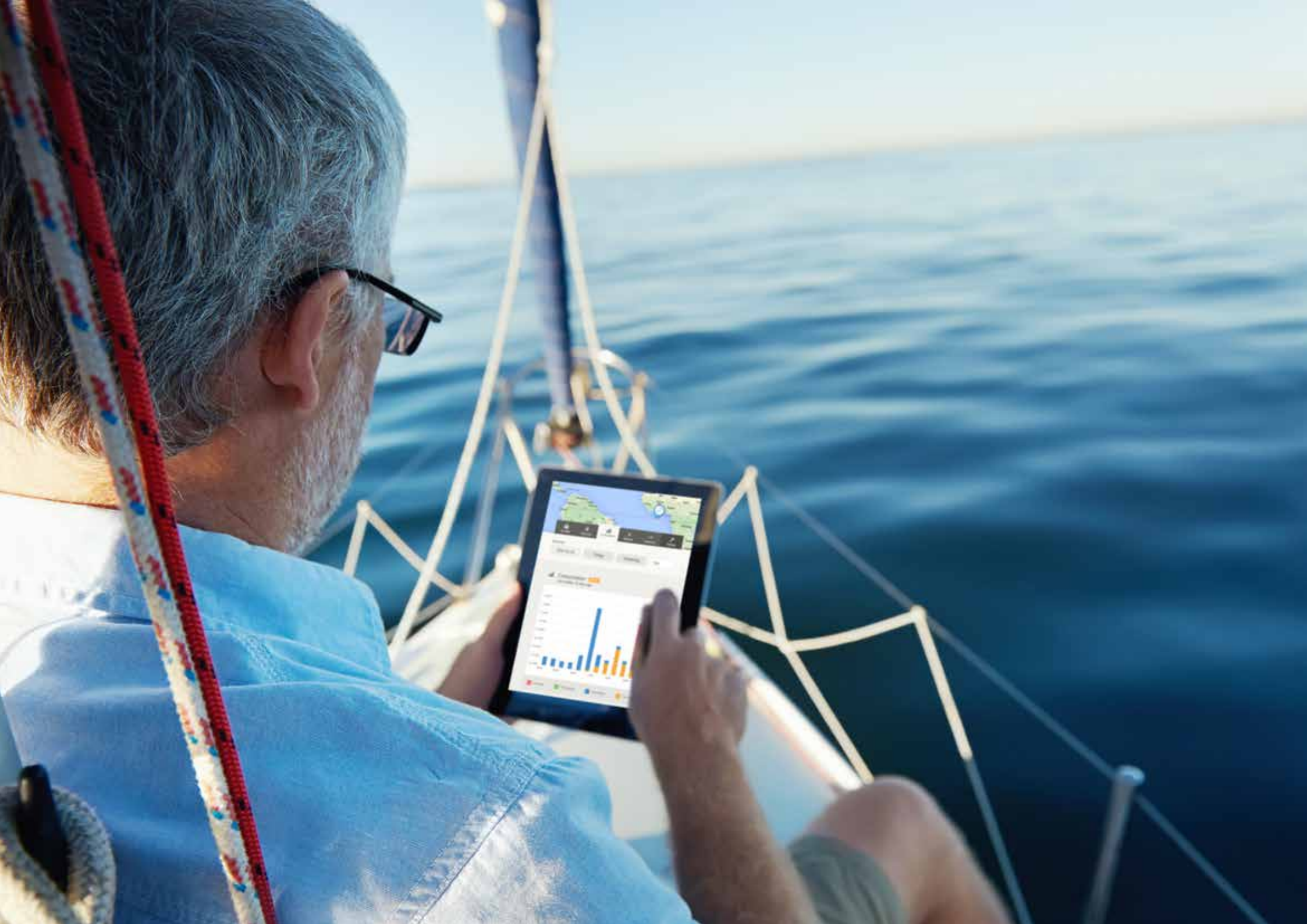
### Complete Electric Motor System

SEA® consists of a powerful regenerating motor, easy-to-use throttle lever, display, propulsion battery pack, charger, generator, solar panels and motor controller. You can complement the system with Oceanvolt RSI™ - Remote Service Interface that enables live diagnostic and management of you sailboats motor system.



Available for shaftdrive and sail drive installations





# OCEANVOLT RSI™

## – REMOTE SERVICE INTERFACE FOR SEA® SYSTEM

Oceanvolt RSI™ is a state of the art remote diagnostic and service interface that let's you check your boat's status from anywhere. Track all the data online in real time about the motors, batteries, generator, solar panels & chargers.

### Live Diagnostics & Service

Error messages and alarms can be diagnosed remotely so you don't loose any sailing time. The user can observe data logs and set parameters for alarms.

### Manage Power Consumption & Generation

See the overall power consumption and generation of the electric motor system from motors, shore power, generator, solar panels & batteries.

### Locate in Real Time

With the GPS module the location of the boat can be seen in real time on the map, this makes it possible to use geo-fencing on the boat.

Also available for iPhone & Android.







## J/BOATS J/88

Please read the full story at [oceanvolt.com/JBOAT-J88](https://oceanvolt.com/JBOAT-J88)

*"There's no quicker buzz kill for sailors  
than having to turn on the diesel engine"*

**– Jeff Johnstone, J/Boats**



# OCEANVOLT ELECTRIC PROPULSION

## - FOR DAYSAILERS AND RACING 15-40 FT

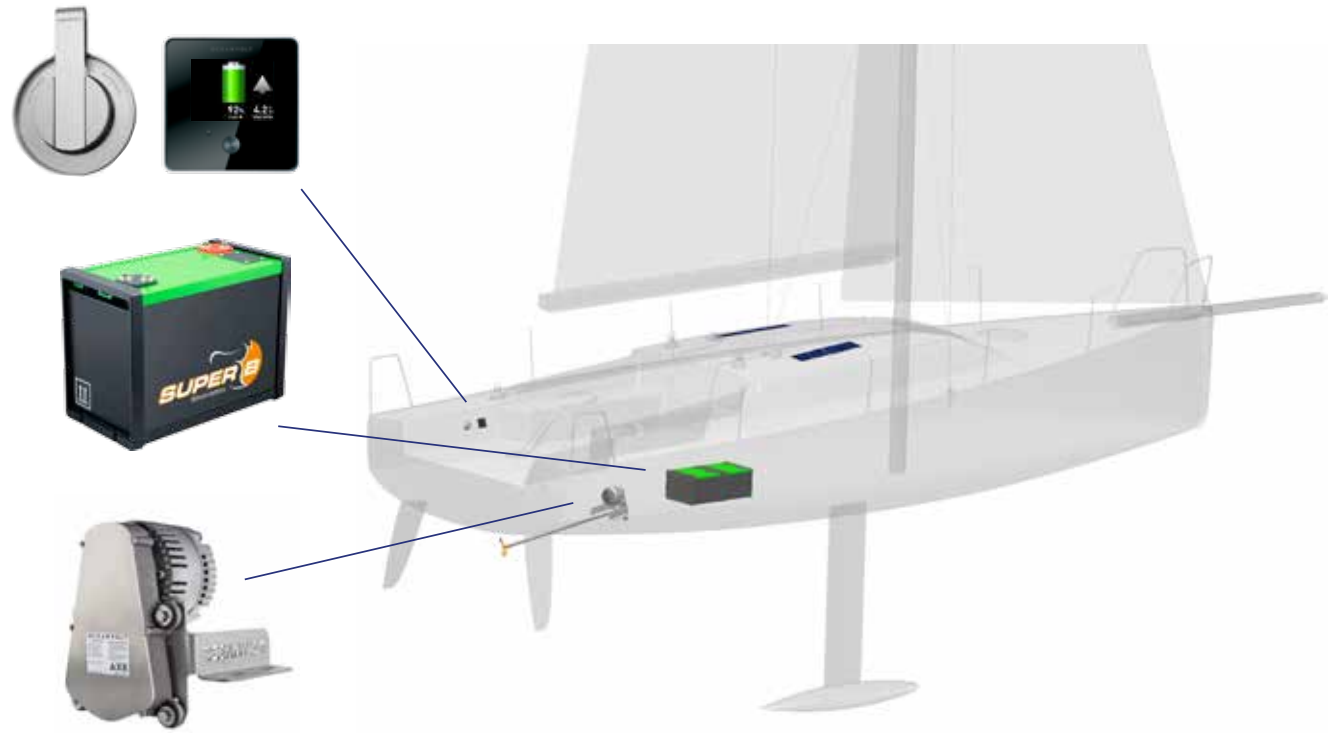
Imagine motoring in silence and hearing just the sounds of the sea. Compared to combustion engines, the Oceanvolt propulsion system is **silent, lightweight and reliable**. It is perfect for any daysailer or racing type of sailboat between 15-40ft.

### Immediate Power & Control

Thanks to the synchronous permanent magnet motors, the system gives you immediate power and torque when switched on. This feature and the highly accurate throttle lever make maneuvering the boat easier in tight situations.

### Optimal Weight Distribution

The electric motor system can be installed to weight-optimize the boat by changing the layout of the components. Intelligent motor controlling allows recharging the batteries while sailing with fixed and folding propellers by just one push of the button. The system does not burn fuel or cause CO2 emissions.



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**BLU30**

Please read the full story at [oceanvolt.com/BLU30](https://oceanvolt.com/BLU30)



# OCEANVOLT CO-OPERATIONS

- STANDARD OR OPTION IN THESE BOAT MODELS



## MULTIHULL

- GUNBOAT G4
- GUNBOAT 55
- TAG 50
- SLYDER 47
- ISLAND SPIRIT
- SIG45
- CATATHAI 43
- COMET 37
- SEAWIND 1160
- SEAWIND 1250



## MONOHULL

- ARCONA 380Z
- MAESTRO 40
- FEELING 32
- CORUM 280



## DAYSAILER

- BLU BOATS BLU30
- WAUQUIEZ OPTIO 9
- J/BOATS J/88
- UNIQUEBOATS
- WALLY NANO
- STUART KNOCKABOUT



## RACING

- GUNBOAT G4
- AKILARIA RC3

Please read more at [oceanvolt.com/cooperations](https://oceanvolt.com/cooperations)

# OV COMPONENTS



## 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.



## Victron Components

The Oceanvolt electric motor system is fully compatible with Victron Energy components.

The Victron Enerfy Color Control GX provides intuitive control and monitoring for all products connected to it. Get information about the motors, batteries & chargers in one glance.



## Throttle Lever

The throttle levers of the Oceanvolt electric motor systems are manufactured out of sea water resistant anodized aluminum. The LED lights in the levers indicate the system status. The technology utilizes reliable CAN bus technology. The highly accurate throttle levers make maneuvering the boat easier in tight situations.

In a twin motor application such as catamarans, the Oceanvolt dual throttle lever with its special handle design enables the skipper to run both engines singlehanded and independently.



## Batteries

The Oceanvolt propulsion system utilizes the benefits of modern and safe Lithium Iron Phosphate battery technology. The powerful Oceanvolt motor range up to 15kW require much higher safe discharge and recharge capability than traditional lead acid, AGM or cheaper Li-ion cells can give.

All batteries offered by Oceanvolt are compliant to the UN38.3 and IEC 62281. On top of this, the manufacturers do several tests in more extreme conditions to make sure that the batteries are safe at all times.



## Generator

The DC generator is the backup power source for the complete system in larger boats. The DC system is superior to traditional AC generators, as it enables substantially higher currents and better efficiency. The DC generator is primarily used to recharge and cycle the battery bank, and it can also be used for direct powering of the propulsion motor.

The operation of the DC generator in the Oceanvolt propulsion system is seamless and fully automatic. The generator is run at the most fuel efficient and economic level. A typical 20kW generator weighs 180kg (790x535x650 LWH).



## Solar Panels

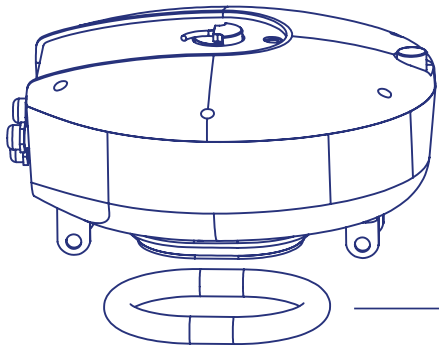
Oceanvolt recommends adding at least a minimum of 100 W solar panels into the system to recharge the 48VDC battery pack. The panels are connected to a solar charge controller that in turn is connected to the BMS system of the batteries. Different configurations for different panel groups are available.



# INSTALLATION

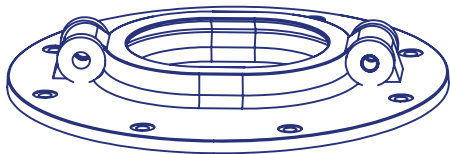
## – Perfect Fit

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.

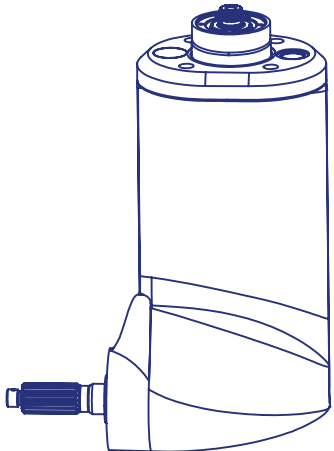


**Powerful permanent magnet AC motor**

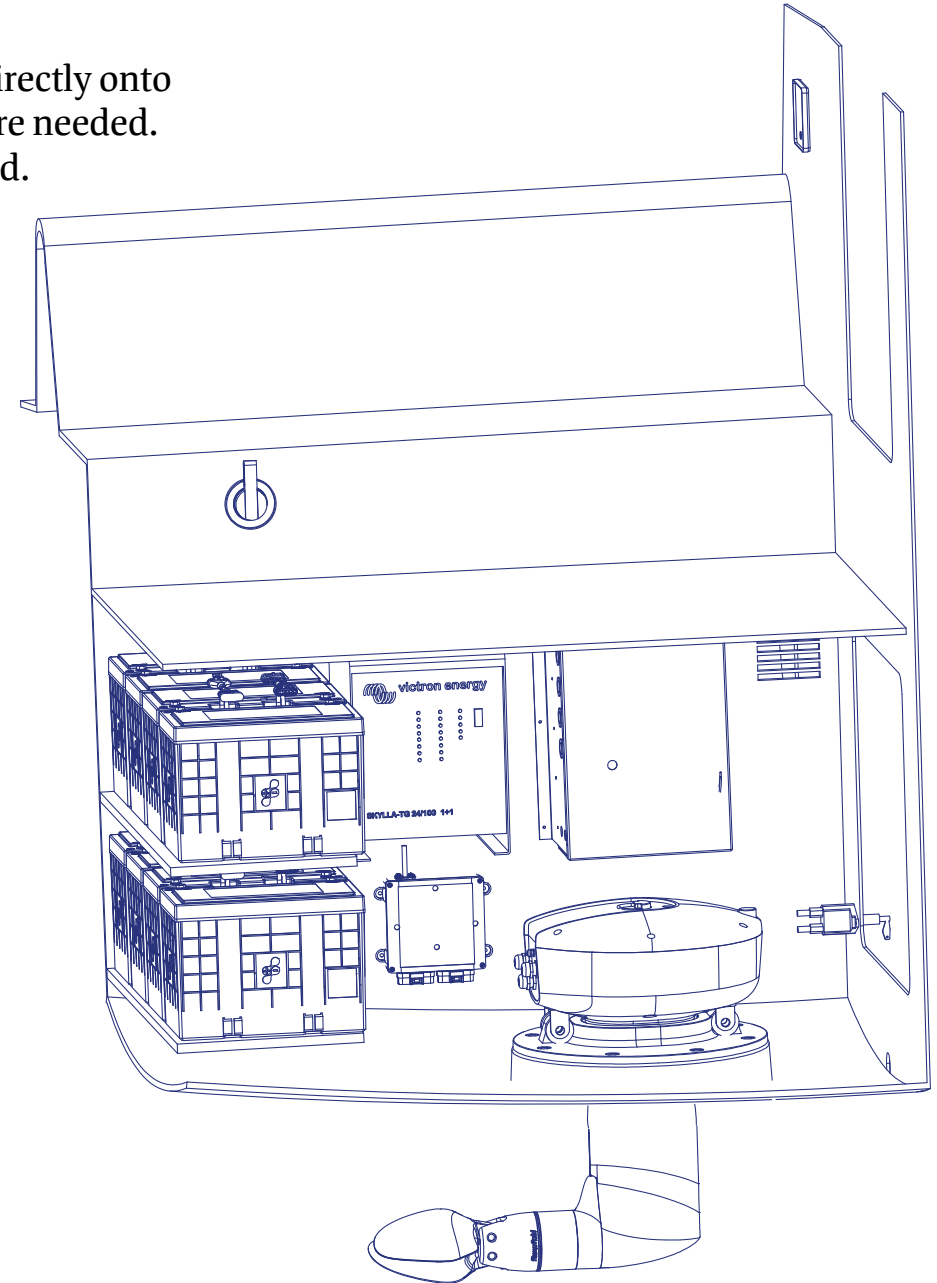
**Patented flexible mounting**



**Attachment flange to fit onto existing saildrive beds**



**Oceanvolt designed hydrodynamic saildrive**



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# TECHNICAL DATA

## SAILDRIVES



Motor model	SD6	SD8	SD10	SD15
Nominal power	6kW	8kW	10kW	15kW
Motor speed	2200 rpm	2200 rpm	2200 rpm	2200 rpm
Reduction ratio	1,93:1	1,93:1	1,93:1	1,93:1
Motor weight	46.5 kg	46.5 kg	46.5 kg	46.5 kg
Equivalent HP	9-15 hp	12-20 hp	15-20 hp	30-35 hp
Battery suggestions	4-7 kWh / 9.6 kWh AGM	5-11 kWh / 9.6 kWh AGM	7-14kWh	14-21 kWh
Boat example	25-30 ft daysailer / H-Boat	Blu30	Maestro 345 / Arcona 37	Maestro 40 / Akilaria RC3

## SHAFT DRIVES



Motor model	AX3	AX5	AX8	AXC 10
Nominal power	3.7kW	5.2kW	8.3kW	10kW
Motor speed	2400 rpm	2400 rpm	2400 rpm	1100 rpm
Reduction ratio	2,46:1	2,46:1	2,46:1	1:1
Motor weight	22kg	28kg	28kg	28kg
Equivalent HP	9 hp	9-13 hp	20 hp	30hp
Battery suggestions	2-5 kWh Li-ion / 9.6 kWh AGM	4-7 kWh Li-ion / 9.6 kWh AGM	5-11 kWh Li-ion / 9.6 kWh AGM	14-21 kWh / 9.6 kWh AGM
Boat example	20 ft daysailer / Scandinavian Cruiser 20	25 ft daysailer / Maxus 28/ Figaro Challenge	30-35 ft daysailer / Feeling 32	Feeling 39
Motor controller	Separate	Separate	Separate	Integrated



# DISTRIBUTORS



**Check our current distributor listing from our website  
at [oceanvolt.com/distributor](https://oceanvolt.com/distributor)**



# OCEANVOLT

**Interested? Please contact us at:**

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**[WWW.OCEANVOLT.COM](http://WWW.OCEANVOLT.COM)**