

XLVI › 46

SALONA
YACHTS



 OCEANVOLT



Oceanvolt clean electric propulsion system

 OCEANVOLT



System content and features

Oceanvolt SD 15 kW motor system



(optional Servoprop system)



- Permanent magnet electric motors produced in Finland
- Maximum output is 15 kW (continuous output 12 kW)
- The SD drive leg and motor cover are made from recycled aluminium
- The motor is cooled through the drive unit by the sea water
- Motor controller is cooled with a closed-circuit system by a through hull mounted Oceanvolt patented cooling fin (needed only when 10kW or more motor power)
- A 3-Blade folding Gori propeller is installed for best performance and regeneration

Cleantron 48V NMC lithium batteries with integrated BMS



- 1,9 kWh / module
- The weight per module is 10,9 kg
- The vessel is fitted with 12 modules (optional additional 4 modules)
- The battery pack has a combined capacity of 22,8 kWh
- In operational speed the batteries have capacity for approximately 5 hours



Oceanvolt display and control lever



Symbols on left side	Symbols on right side
Battery indicators	Power indicators
1. Time to go/recharge indicator hh:mm	6. Power consumption kW
2. Battery level status charging (arrow up) /discharging (arrow down)	7. Arrow direction of power
3. Charging style (plug = shore power)	8. Motor revolutions per minute
4. Visualized battery capacity	Others:
5. Battery capacity left in percent	9. Button

- From the displays the user can see the RPM, used power, the state of charge and the estimated battery capacity in terms of hours
- The flush mounted control lever is specially designed for sailing boats and has integrated, led light system status indication

Oceanvolt configured Shore power and charging by Victron

- The vessel has a Multi charger (230 V/ 48V/ 35-50A) / Inverter (230 V/ 3000 W). The charging time for the 12 battery modules is 8 hours (if 16 modules = 10 hours)
- The vessels solar panels charge the main battery bank at daylight and the house battery is kept topped by an DC/ DC charger/ converter.
- Oceanvolt unique hydro generating feature is charging by just pressing the knob on the display while sailing in speeds more than 6 knots (1000 W in 10 knots).

Remote Access and service

- The vessel has an Oceanvolt system monitor, which shows all the components and the effect of the solar panels in real time.
- The information on the system monitor can be shared live online anywhere around the world to a computer, tablet or to a smartphone
- With the same connection it is possible to service and to repair the system remotely from the Oceanvolt HQ.
- The Oceanvolt propulsion systems need minimal maintenance. The main parts needed are anodes and the points to be checked are lubrication and cooling (when applicable).
Please read the user manuals for detailed information.



Salona boat models - Oceanvolt system rendering (indicative)

3.1 COMPONENTS OF THE SYSTEM

The complete scope of your Oceanvolt propulsion system normally includes the following components:



