

## 7. Batteries

The batteries will need to be recharged as often as you deplete them. Conserving power will result in less time needed for charging, so turn off systems that are not being used.

Your batteries will charge when the engine is running at 1400rpms or more, whether sitting at a mooring or motoring to a destination. Check the battery levels and make note of them before charging. Run the engine at 1400rpms or more for a minimum **of 2hrs twice daily**. Shut the motor off. Wait 15 minutes before checking the battery levels, (directly after turning off the motor they will remain in an excited state for about 10 minutes).

The service batteries should come to rest at 12.8 v. and then slowly get lower. When the batteries gets to 12.2 you should start to re-charge the batteries soon.

Yacht has service, engine and bow thruster batteries systems which are isolated from each other. The service batteries have a capacity of 360AHrs. The service batteries are located under the floor saloon under the companionway. Solar panel charger are located under the seating in aft port cabin and charge the service battery only.



Bow thruster battery switch is under the bow cabin bed.



Solar panel charger



Engine battery in aft cabin



The solar panel (360W) with a 30A charger allows you to keep the batteries charged on a sunny day, but on a cloudy day and at night the refrigerator must be turned off to avoid discharge less than 12.2v.

**The hermetic of the refrigerator allows food to stay cold until morning. In any case, spoiled milk is much more chepper of killed batteries for eur800.**