

Power Management Panel  
CUSTOM YACHT ELECTRICAL POWER PANELS



**Energy Solutions offer a range of electrical design and design & build services to the yacht industry.**

- **Design Service.** We will carry out the entire electrical design including load analysis for your project. This will generate a detailed set of drawings, bills of materials, cable schedules and any custom system design that may be required.
- **Panel Building.** We can design and build AC and DC electrical panels. This can involve generator sets in parallel (isochronous or droop), load management and monitoring. If required we can build remote monitoring and control panels or liaise with another supplier.
- **PLC Programming for alarms and other systems.** Large yachts have complex alarm, monitoring and control requirements. PLC control allows these needs to be met in a flexible and upgradable way.

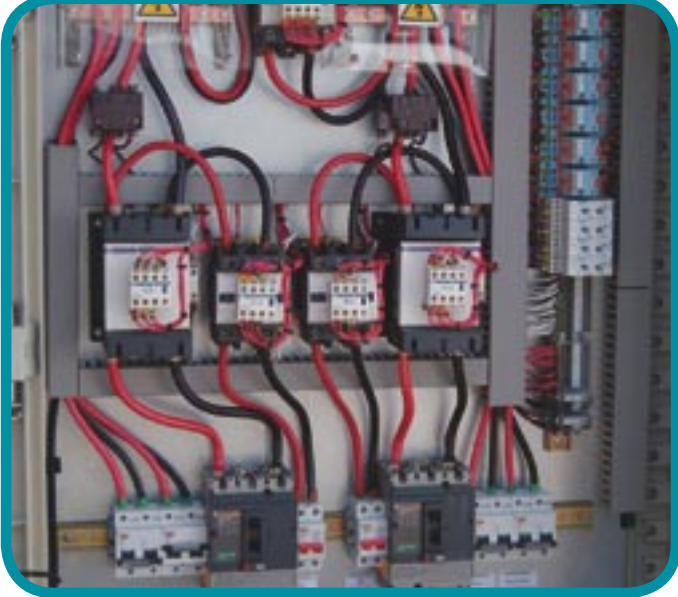




The ability to reliably select between generators and shorepower for onboard AC supplies is essential. This AC management panel selects from 2 x 27.5 Kw generators and 2 x 50 amp shorepower supplies.

The system protects against incorrect voltage, polarity. The boat is wired with a split bus, which is joined when only one supply is available. The panel is fully protected with interlocks to prevent two supplies being switched together.

This panel was built for manual selection. Fully automated panels can also be built.



# POWER AT YOUR CONTROL

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