

2: SHORE POWER CONNECTION

Connecting Shore Power to the vessel's hard wired onboard electrical system.

Electricity Regulations state that any vessel that is to be connected to shore power must first have a current Electrical Warrant of Fitness (EWOFF) as required by the Electrical Regulations **BEFORE** being connected to the marina electrical supply.

Marina Operators cannot legally supply power to any vessel until a current copy of the EWOFF is provided to the marina office.

An Electrical Warrant of Fitness remains valid for a period of 4 years from date of issue.

All shore power leads must also be tested and tagged on an annual basis as an added protection against fault.

Unauthorised shore power connections will be disconnected without notice.

Testing the RCBO

Residual Current Circuit Breaker with Over-current protection

Always test the RCBO each time you connect to Shore Power

To test, connect shore power, open the cabinet, switch on and press the RCBO Test button

The RCBO should trip to the off position, if the RCBO does not trip a dangerous condition may exist due to a fault

If a fault is found to exist, disconnect the shore power and notify marina management immediately

Step by Step Instructions

On Arrival at the Marina

1. Check in with the marina office advising of your power requirements.
2. a) Provide a copy of your boat's Current Electrical Warrant of Fitness (EWOFF) **OR** b) Sign the Temporary Power Request Form **BEFORE** connecting to the marina power supply.

Prior to Connecting Shore Power

1. Uncoil your shore power lead and thoroughly inspect for any mechanical damage such as crushing, kinks, cuts or abrasions.
2. The entry of moisture and salt into a boat's shore power plug and socket may cause a hazard. Carefully examine, clean and inspect all plug/socket connection points for any damage, corrosion or arding before connecting to shore power.
3. To prevent personal injury or death Do Not connect shore power should any fault be found, it is dangerous for unskilled persons to attempt repairs or alterations. If any difficulty arises, contact marina management for assistance.

Connection to Shore Power

1. Arrange the supply lead ensuring the lead is uncoiled, and not producing a tripping hazard.
2. Ensure the Plug/Socket weatherproofing lock rings are used to prevent water ingress and nuisance tripping.
3. Connect the shore power lead to the vessel power socket inlet before connecting to the marina shore power.
4. Test the shore power RCBO on each and every occasion when connecting to shore power.
5. To test, connect shore power, switch on and press the Test Button.
6. RCBO should trip off, if the RCBO does not trip, a dangerous condition may exist due to a fault.
7. Disconnect shore power and notify marina management immediately.

Before leaving

1. Ensure the marina shore power electrical supply is switched off and the flexible supply lead is disconnected.
2. The supply lead should be disconnected first from the marina socket outlet and then from the boat appliance inlet. Any cover that may be provided to protect the appliance inlet from the weather should be securely replaced.
3. The supply lead should be coiled up and stored in a dry location onboard the vessel where it will not be damaged.
4. Do not leave the shore power lead connected and/or coiled up on the marina when departing.

Marina Power Connections



What you
need to
know
to
stay safe



HALF
MOON
BAY
marina

Marina Power Connections

THERE ARE ONLY TWO APPROVED METHODS TO CONNECT TO THE MARINA SHORE POWER SUPPLY...

1: THROUGH A TEMPORARY CONNECTION TO A SINGLE PORTABLE APPLIANCE

2: OR A SHORE POWER CONNECTION TO THE BOAT'S HARD WIRED ONBOARD ELECTRICAL SYSTEM

1: TEMPORARY CONNECTION

Boat owners must sign a temporary power request form before connecting to the marina shore power supply.

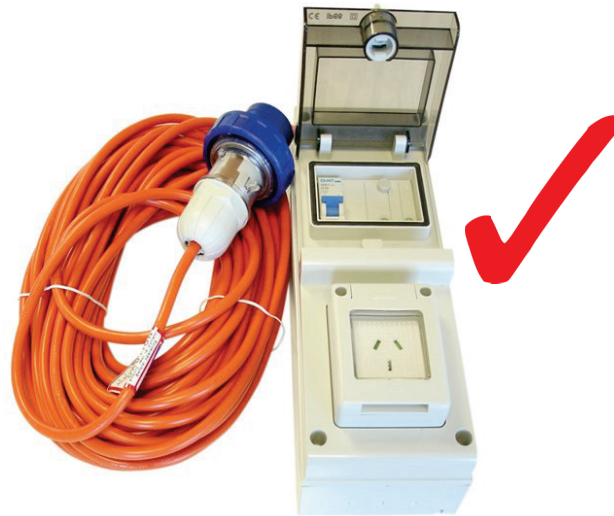
An approved temporary power supply must only be used inside a cabin and where the lead enters the cabin it must be protected from potential damage.

All leads must be tested and tagged in accordance with ASNZS:3760 prior to being connected and then at intervals not exceeding 12 months. The tag must be clearly legible and attached to the end of the lead where it is connected to the marina shore power supply.

Power supply leads must be heavy duty tough rubber sheathed cable and be free of any defects. Household domestic extension leads are not permitted in this environment.

The supply lead must incorporate overload protection at the rating of the 10A socket outlet, i.e. protected by a 10amp Miniature Circuit Breaker (MCB) or Residual-current Circuit Breaker with Over-current protection (RCBO). Over-current protection must protect the maximum demand of the appliance plugged into the lead.

Unattended temporary power connections are only permitted for a maximum of three (3) days, twice (2x) per calendar month.



APPROVED TEMPORARY POWER SUPPLY



WE CANNOT ACCEPT THESE TYPES OF LEADS

These types of leads do not comply as they do not provide over-current protection and do not meet the minimum weather proof rating of IP56 required in this environment.



NEED A TEMPORARY LEAD?

Approved Temporary Power Supply Leads are available for purchase from Burnsco Marine or Half Moon Bay Electrical.

A small number of leads are available for loan from the marina office.

KEEP SAFE OUT THERE

- Always contact the marina office **BEFORE** connecting to the marina power supply.
- Only use approved shore power leads that have a current Test Tag.
- Every time you connect to the marina shore power, take a good look at the lead and fittings.
- If you see any evidence of damage, corrosion or arcing of the connections have it checked by an electrician.
- Test the RCBO on the marina power module before use.
- When connecting the lead to the marina make sure the locking ring is always secured to ensure protection from wet weather.
- Always ensure the power lead is arranged so that it will permit normal movement of the boat without placing undue stress on the power cable and does not rub, chafe or crush against movement of the boat's fairleads, anchor or mooring cleats.
- Check water will not flow along the lead and into the socket outlet.
- The power supply must only be used inside a cabin and where the lead enters the cabin it must be protected from potential damage.

SEE OVER PAGE FOR INFORMATION ON SHORE POWER CONNECTIONS