

### 4.2.2 AC System

The alternating current (AC) system is supplied with power by the sources listed below. These supply the components listed in tables below which show the settings of the overload protection breakers/fuses.


The system is: 230/240 V  
unpolarised

The AC system consists of the following sources of power:





Source of power	Number	Location
Shore connection	1	Aft end cockpit stbd side

The power source selector switch is located on the AC panel board.

The main switch board location: Aft cockpit locker

	<p>Caution</p>	<p>The RCD (residual current device) should be tested monthly by pressing the "TEST" button. The RCD should trip "OFF" immediately. Reset the RCD by flicking the switch back to "ON". If the RCD does not trip "OFF" immediately, there is a fault: disconnect all AC power sources and call a qualified electrician to investigate.</p>
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Information To avoid a power spike, turn OFF all main breakers before plugging IN the shore power cord. Securely connect the power inlet of the boat and the shore power receptacle. If the connection is broken and later re-secured, the main breaker will trip. Connections must be secure for uninterrupted dock-side service.

 <p>Caution</p>	<p>Connect metallic housings or enclosures of installed electrical appliances to the protective conductor system in the craft (green or green with yellow stripe conductor).</p>
 <p>Caution</p>	<p>Use double insulated or grounded (earthed) electrical appliances.</p>
 <p>Danger</p>	<p>Do not allow the shore-power cable end to hang in the water. An electrical field can be caused which can cause injury or death to nearby swimmers.</p>
 <p>Warning</p>	<p>To minimise shock and fire hazards:</p> <ul style="list-style-type: none"> <li>• Turn off craft's shore-power connection switch before connecting or disconnecting shore-power cable.</li> <li>• Connect shore-power cable to craft's inlet before connecting to shore power source.</li> <li>• Disconnect shore-power cable at shore-power source first.</li> <li>• Close shore-power inlet cover tightly.</li> <li>• Do not alter shore-power cable connectors &amp; use only compatible connectors.</li> </ul>