



THERMAL ELECTRIC ELEMENTS
AUSTRALIA



Resistive Load Banks

Product

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Resistive Load Banks (Dummy Loads)

What are Load Banks?

Load banks have an important role in stand by power generation equipment which is a cost effective way of keeping things running.

The necessity and dependence on power at mining sites, oil and gas refining, in hospitals, transport and many other essential services has meant a rapid growth of back up generators and UPS systems for back up power. The increase of computers and telecommunications equipment demands faultless performance in the event of power down conditions. This can only be fully achieved by resistive load testing the stand by systems on installation at regular intervals. The life and efficiency of diesel generators can be greatly reduced when running under-loaded, causing damage to the engine, fouling of valves and exhaust ports, also causing extensive cylinder bore glazing to a point where engines could stall or completely fail to start when they are needed most-during a mains power failure.

Only resistive load banks can guarantee the ultimate operating conditions and efficiencies of stand by generators. The importance and necessity to test batteries and UPS systems can only be achieved with resistive load banks. Batteries quite often require a full discharge test to monitor cell condition. Auxiliary equipment such as resistive load banks ensure regular and reliable load testing can be performed without interruption to mains power supply and leaving you confident that your emergency power system will function during any mains power failure.

Design Features

Available in manually switched to fully auto-controlled units. Ranging in sizes from 0.2kW to 2mW with safety interlocks such as high temperature overloads, low air pressure/flow switch, phase sequence control and fan motor overloads.

A load cooling timer which allows the cooling fan to continue operation for an additional 5 minutes after load shut down is optional.

A range of meters are available which include volts, amps, hertz and kW.