

**CHAPTER 13**

**RECTIFIER CABINETS**

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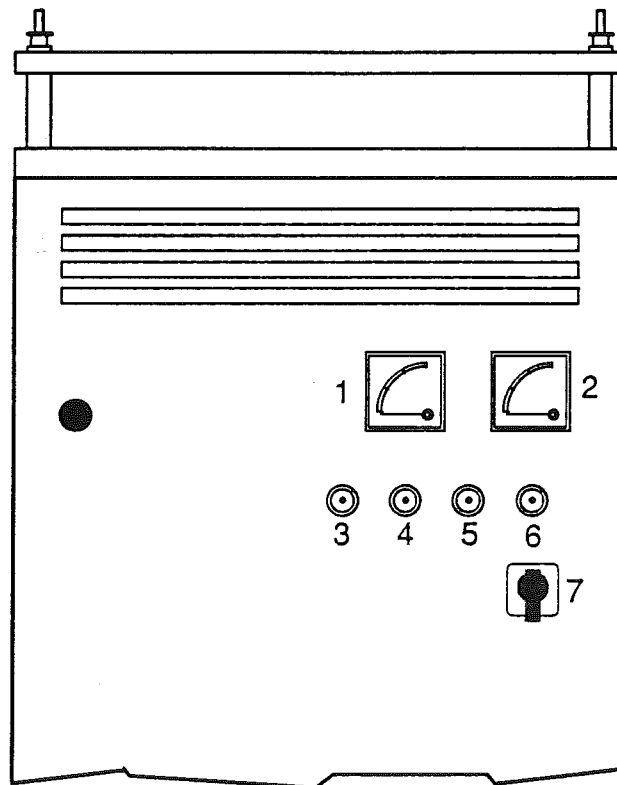


Figure 13.1 - Rectifier Cabinet

**DRESSER-RAND-POWER****1 GENERAL**

The Battery Charger Cabinets convert the 380 V ac three-phase input into a 24 V dc output. Whilst the main power input is available the output is used directly as the source of 24 V dc power for the control systems. At the same time the output is used to charge the 24 volt batteries that are contained within a separate cabinet and used as a power source in the event of a main power failure.

**2 OPERATOR FACILITIES**

The following facilities are available on the front panel of the Battery Charger Cabinet.

**VOLTMETER (1)**

This continuous-scale meter displays the rectifier direct current output voltage to the control power and battery systems.

**AMPEREMETER (2)**

This continuous-scale meter displays the current through the rectifier. The meter is scaled in ampere.

**CHARGER ON INDICATOR (3)**

This indicator lamp will be illuminated when the battery charger is operating and there is a 24 volt direct current output.

**FAULT INDICATOR (4)**

This indicator lamp will be illuminated where the battery charger internal fault detection systems has identified a fault.

**RESET SWITCH (5)**

This push-button switch is to be pressed to reset the internal fault detection circuits after the cause of a fault has been corrected.

**LAMP TEST SWITCH (6)**

Depressing this push-button switch will test the operation of the two indicator lamps on the front panel of this unit. The indicators should remain illuminated whilst this switch remains depressed.

**ON/OFF SWITCH (7)**

This two-position rotary switch is the main control switch for switching on and off the battery charger unit.