



Aircraft Battery Charger Tester

Description

Design and manufacture of an aircraft battery charger tester incorporating a means of varying 115 volts, 400 Hz, 3 phase supply between 0 and 140 volts output.

This was based around a 19" rack system and consisted of a control / status monitoring chassis and a battery transformer chassis, each being usable as a separate unit.

Aircraft power conditions are simulated and selected from the front panel and power in each phase is shown on a programmable digital display.

Disciplines Used

- Electrical design
- Manufacture, assembly, test & commissioning

Specification Summary

- 115 volt, 400 Hz, 3 phase supply
- 0 to 140 volt, 400 Hz, 3 phase output
- Fully programmable digital display
- Status switches simulate aircraft power conditions
- Blocking diode protection for charger input
- Separate transformer and control chassis
- 19" rack mounting



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