

FERRANTI TECHNOLOGIES LIMITED

Power & Control Solutions

Ferranti Technologies excels in the bespoke, custom design of complex electronic, electrical and mechanical solutions in the fields of power supplies, power conversion and electronic and motor control to the aerospace and defence industry. Our multi-disciplined engineering team is able to transform your most difficult technical requirements into qualified, production designs.

- **Custom Design**
- **Electronic/Electrical/Mechanical**
- **Power Supplies Internal/External**
- **Power Conversion**
- **Electronic & Motor Control**
- **Control Panel Assemblies**
- **Hardware** - Analogue, Digital, Electronic, Electrical, Mechanical
- **Software** - Real Time Control Systems, RS232, RS422, Mil 1553, ARINC 429, CANBUS, Ethernet
- **Safety Critical** - DO-254/DO-178B to DAL B



- **Power from 200W to 40KW**
- **PCB Design & Manufacture**
- **High Efficiency <85%**
- **Harsh Environment -55°C to +85°C**
- **EMC, EMP, HIRF Compliance**
- **High Reliability**
- **Project Management** - DOORS, MS Project, GRESS, eRoom
- **ILS** - Reliability Predictions, FMECA, Technical Publications, Spares Provisioning, Obsolescence



- **Customer Logistic Support** - Electronic, Electromechanical
- **In-House UKAS Approved Environmental Test Facility**
 - HALT/HASS
 - EMC Pre-Compliance
- **Accreditations**
 - BS EN ISO 9001 (TickIT)
 - AS9100 (End 2008)
 - EASA Parts 21G & 145
 - Def-Stan 05-123
- **Contract Manufacture of Complex Avionic & Electronic Assemblies**



For further details as to how we can transform your requirement, concept or specification into a fully approved and certified production product, please do not hesitate to contact us.



Innovation, Quality and Commitment

Ferranti Technologies Limited offers a comprehensive range of design engineered products that are tailored to suit individual customer requirements. Our engineers work closely with customers to ensure their requirements are correctly interpreted in order the resulting solution exactly meets the customer's needs.



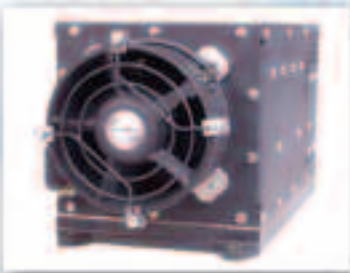
AC - AC Converters

- 115V/230V ac Variable Frequency to 115V/230V 400Hz Fixed Frequency
- 115V/230V ac Variable / Fixed Frequency to 110V/220V ac 50/60Hz Domestic Power
- 500VA to 3KVA
- Efficiency >88%
- Designed to AMD 24 DO-254 DAL C



Static Inverter (Emergency)

- 28V dc (Aircraft Battery) to 115V 400Hz ac
- Power - 2.5KVA
- Efficiency >85%
- Designed to AMD 24 - DO-254/DO-178B DAL B



Transformer Rectifier Unit

- 115V ac 3 phase 400Hz to 28V dc
- Power Rating 200Amps
- Up to 300% Overload Capability
- Efficiency >88%
- Full BITE



DC - DC Converter

- Maintains 28V dc Critical Power
- Input as low as 8V dc
- Power 750Watts
- Utilises Novel Boost Converter
- PLD Controlled Multi Mode Operation
- Full BITE



Emergency Flotation PSU

- Independent power for up to 10 Minutes
- Integrated Crash & Water Sensors
- Manual Override Capability
- Mass <1kg (~2lbs)
- Potential for Multi Devices per Unit
- UK MoD Qualified



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