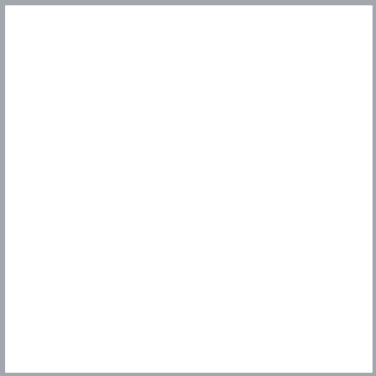
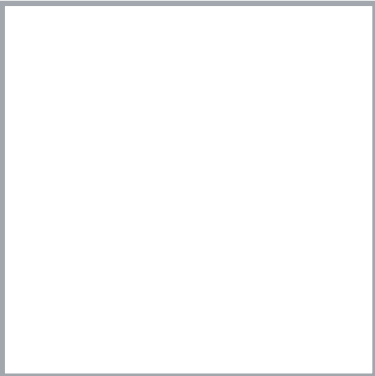


DEFENCE BROCHURE



• Air • Land • Sea • Joint Services

Products, Services & Capabilities



Features

- COTS, Custom or Rugged
- AC UPS
- DC UPS
- Inverters/Converters
- Power Supplies
- Design, Manufacture, Test & Manage
- Service & Support

Harland Simon offers a comprehensive range of Power Protection Solutions for the Military/Defence Industry. We are able to offer varying levels of complexity and compliance with Military standards (DEF STAN & MIL STAN). Products range from standard Commercial Off The Shelf (COTS) equipment with simple modifications up to bespoke custom built equipment designed to exactly meet the customer's requirements and detailed specification. Products available include AC UPS, DC UPS, Power Supplies and Inverters/Converters.

Harland Simon has many years of proven successful operation in the Defence market supplying power solutions to BAe, AMS, ULTRA, Raytheon, Dytechna, Selex, EADS Astrium to name a few.

Harland Simon works selectively with a few of the world's largest suppliers of UPS's 'as an approved engineering partner', taking their standard commercially approved and reliable product and then customising it to meet our customer's requirements. This customisation can vary in complexity. Simple customisation can be some ruggedisation to securely fix components and cables to help the UPS meet more stringent vibration standards or it could be the fitting of additional interfacing or alternative connectivity. Complex customisation is the complete redesign to exactly meet the customer's requirements, this can include special metalwork and connectivity to specifically meet the physical requirements and space constraints plus special testing to certify we meet any environmental or electrical standards.



Product Range

- AC UPS
- DC UPS
- Power Supplies/Chargers
- Inverters/Converters



Protection Against the Elements

- Robust Equipment
- Protect against the Environment
- Additional Cooling
- Conformal Coating
- Heater Mats
- Thermostats
- Higher IP Rating
- EMC



Ruggedisation

- Select Power Components
- House in suitable Enclosures
- Aluminium for Lightness or Stainless Steel for Strength
- Meets Vibration Shock Standards
- Extra Fixings



Form • Fit • Function

- COTS
- New Build Design or Replacement
- Meets Form • Fit • Function (FFF) Requirements



Connectivity

- Power Connectors Tailored for Customer & Environment
- Comms. Connectors Tailored for Customer & Environment
- IEC/NEMA Plug/Sockets
- Military Coded
- Slide & Mate Hypertac Connectors



Batteries

- VRLA or Ni-Cad
- NATO Stock Number Products
- 5 - 20 Year Life Span
- Wide Temperature Range

### UPS System supplied to BAe for the UK - MOD Falcon Project



- 7kVA Rugged AC UPS
- 4.9kW (fully tested at 3.8kW)
- 19" Rack Version
- Pallet Version <50kg Modules
- Full Type Testing (shock, vibration, etc.)
- EMC to DEFSTAN 59-41-Land Cases B
- 5, 10, 30 Minute Options
- Military Connectivity
- IP43 (IP67 Pallet Version)
- Harsh Environmental Standards
- High MTBF, Low MTTR



Harland Simon can supply their Own Range of AC & DC Power Protection solutions and are also the UK Approved Agent and Service Centre for Nova Electric and Technology Dynamics Inc., USA

### Harland Simon AC & DC Product Range



Case Mounted UPS



19" Rack Mounted



System Integrated



Free Standing

### Nova Electric Rugged & MIL-STD AC Solutions & Product Range



AC UPS



Inverters



AC-AC Converters

### Technology Dynamics Inc. Rugged & MIL-STD AC Solutions & Product Range



DC UPS



DC-DC Converters



DC Power Supplies

Harland Simon is a leading independent supplier of Power and Service Solutions

As well as our own product portfolio which includes AC and DC Power Solutions, Marine Power Solutions, Inverters/Converters, Extended Runtime Battery Pack Solutions, IP54 Enclosures, Bypass Systems and Generators we are also able to supply UPS products from the following Manufacturers: Ablerex, Alpha Technologies, APC, Eaton, Emerson (Chloride), Nova Electric, Riello UPS and Technology Dynamics Inc.

UPS products are available from 300VA - 800kVA  
Diesel Generator sets from 5kVA - 3300kVA



Harland Simon caters for all Market Sectors, divided into four main categories;  
COMMERCIAL: Building Services, Comms/IT, Site Services & UPS Partnerships  
DEFENCE: Air, Land, Sea and Joint Services  
INDUSTRY: Manufacturing, Marine/Petrochemical, Transportation and Utilities  
PUBLIC SECTOR: Education, Government, Health and Services

We offer a comprehensive range of capabilities including: Customised and Bespoke Products, Pre-Sales Support, CAD Design and Engineering, Project Management, Project Specific Documentation, Factory and Site Testing, Site Installation, Service and Maintenance Plans



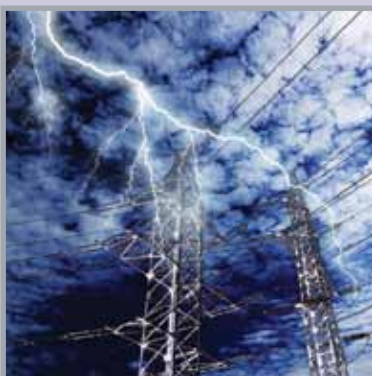
Harland Simon offers free site surveys for any application and our technical capabilities cover from initial design to life of product support

Harland Simon are able to offer standard or custom built solutions to meet customer detailed specifications

Harland Simon undertakes full site installations including method statements and risk assessments and along with site commissioning, Harland Simon offers full turnkey packages as required

All of the above mentioned services are offered on a nationwide basis via trained engineers

Harland Simon is ISO9001:2008 certified



harland simon  
power solutions



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