

HARSH ENVIRONMENT BROCHURE



Harsh Environment Power Solutions

Indoor and Outdoor Power Solutions



Features

- Outdoor AC UPS Power Module
- Stainless Steel Cabinets
- Marine Approved UPS Products
- Extended Runtime Battery Solutions
- Outdoor AC UPS Enclosure Systems
- Indoor Custom Products rated up to IP54
- Indoor DC Products, Battery Chargers
- Maintenance, Service and Disposal
- High Operating Temperatures
- Wide Choice and Autonomy



Outdoor AC UPS Power Module

Harland Simon specialises in providing AC Power Solutions for Harsh Environments, providing rugged AC powering solutions, including Hardened Outdoor Enclosures, Uninterruptible Power Supply (UPS) Modules, Speciality Batteries and Battery Accessories.

Novus FXM Power Modules provide constant, reliable UPS grade backup power management for Traffic, Security, Telecommunications and other applications. The FXM can operate in temperatures of -40°C to 74°C (-40°F to 165°F) supporting your mission critical applications with clean uninterruptible power. Adaptable for vertical or horizontal orientations as well as rack mounting.

Current models include: 650W, 1100W and 2000W.



Stainless Steel Cabinets

Harland Simon manufacture a range of AC & DC UPS fitted into Stainless Steel Cabinets. These are manufactured to order and designed to suit a number of UPS and Battery Configurations. Our Stainless Steel Cabinets are suitable for Pharmaceutical applications and Marine/Coastal Environments.

- AC UPS - Extended Runtimes
- DC UPS - 24V, 48VDC & 110VDC
- IP42 or IP54 Enclosure
- Optional Alarms



Marine UPS Products

Harland Simon offer a comprehensive range of Rugged Marine products approved, designed and tested to meet the harsh environment requirements. Products can be certified by Lloyds, DNV, ABS and others and are of hardened mechanical design (rugged) typically fitted with anti-vibration mounts and protected to IP22 although higher IP ratings are available.

- Single and Three Phase Marinised AC UPS
- Custom DC UPS Solutions
- DC Trippers, Chargers, Inverters and Power Supplies
- Customised Rugged Products



Extended Runtime Battery Solutions

Harland Simon offer a comprehensive range of Extended Runtime Battery solutions up to 24 hours

- Fully Assembled Cubicles
- Loose Battery Modular System
- 19" Rack Mounting Trays
- 19" Complete Enclosure Systems
- 5, 10 & 20 year Battery Life



Outdoor AC UPS Enclosure Systems

The Novus Micro Series provide constant and reliable power for access control, security, public utility and telecommunications applications in a compact all in one enclosure. The Novus FXM Series, for lower power applications in a single, easy to install cabinet. Optional add-on battery cabinets for longer runtimes available.

- Wide operating temperature range of -40°C to 74°C (-40°F to 165°F)
- Temperature compensated battery charging (protects batteries)
- 300W & 1000W - 230VAC UPS models available
- External communications via RS-232 port or an optional Ethernet SNMP
- User friendly LCD display allows 'at a glance' monitoring



Indoor Custom Products Rated up to IP54

Harland Simon offer a complete range of Custom Built or Customised AC and DC Power Solutions

- AC UPS, DC UPS, Inverters and Generators
- Defence, Industrial, Manufacturing, Marine/Petrochemical, Transport & Utilities
- 19", Rugged, Wall, Floor with AVM, Connectivity Options
- WIMES 3.07 Compliant



Indoor DC Products

Harland Simon offer a comprehensive range of DC Power Protection products including:

- Trippers (DCT range) - 24V to 110V, 1 - 50A loads
- Chargers (DCC range) - 3 or 1 phase, 1 - 50A loads
- Power Supplies (DCP range) - 10W - 5kW
- DC UPS (DCU range) - 12V to 270V, several hours



Maintenance, Service and Disposal

Harland Simon UPS offer high class service solutions throughout the UK

- UPS and Generator Maintenance Contracts
- Electrical Installation
- Battery Replacement
- Relocation and Expansion
- Disposal to COSHH Regulations

All our engineers are factory trained with the backing of ISO:9001 Approval

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: Alerex, 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 offer 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 undertake full site installations including method statements and risk assessments. This along with site commissioning, Harland Simon offer 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



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power solutions



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