

MARINE & PETROCHEMICAL BROCHURE

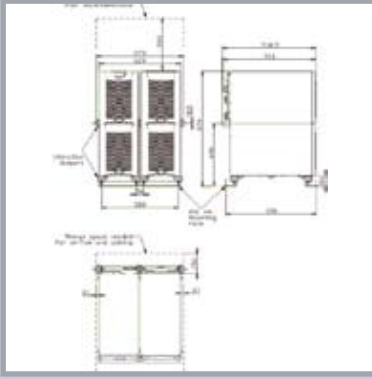


AC & DC Rugged Marinised Power Solutions
Products, Services & Capabilities



Features

- Single Phase AC UPS
- Three Phase AC UPS
- DC Products
- Custom Solutions
- Rugged Design
- Marine Approved: DNV, Lloyds, ABS & Others
- AVM and High IP Rating



AC UPS for Marine Applications

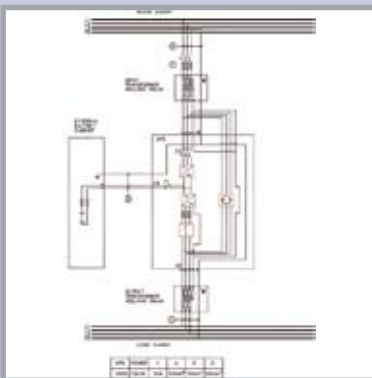
Harland Simon offer the Eaton range of Marine Certified AC UPS systems ranging from 1kVA up to 1100kVA plus larger systems with redundancy

The standard commercial UPS modules are modified in the Helsinki factory to meet more demanding marine requirements including:

- Higher Ingress Protection to IP22 (IP54 with Harland Enclosure)
- Anti-Vibration Mounts
- Deck/Bulkhead Fixing Assembly
- Ruggedisation
- Transformers for IT Mains and Custom Voltages
- Certification to Lloyds: DNV, ABS, etc.
- Long Life Battery Modules

All Powerware Marine UPS are True On-Line Double Conversion UPS of high specifications and high reliability/availability including a comprehensive range of features and options:

- High Efficiency
- Low Harmonics
- High Load Power Factor
- Easy Maintenance
- Advanced Battery Management (ABM)
- Parallel Hot Sync Redundancy
- Comprehensive Communications - VFC/SNMP/MODBUS
- Configurable Voltage and Frequency
- Matching Marine Battery Enclosures
- Frequency Converter



Single Phase



9130 M | 1 - 3 kVA



9155 M | 8 - 30 kVA



EX M | 1 - 3 kVA

Three Phase



9355 M | 8 - 40 kVA



9390 M | 40 - 160kVA



9395 M | 225 - 1100 kVA

DC Custom UPS Solutions

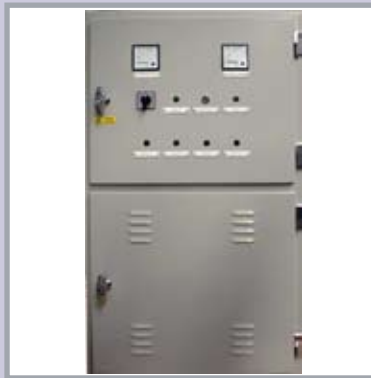
Harland Simon offer a comprehensive range of high reliability DC Power Solutions using Linear or Switched Mode technology supplied in purpose built enclosures complete with customer requirements and be suitable for the proposed environment. All Custom UPS Solutions can be Marine Approved to DNV, ABS, Lloyds, ABS, etc.

The DC range of Power Solutions includes Ruggedisation, High Ingress Protection, Environmental Protection, High Reliability and Redundancy as well as compliance with the relevant standards

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



Dual DC Charger



DC Tripper



DC UPS

Custom UPS Solutions

Harland Simon are able to supply a complete range of Custom Power Solutions to exactly meet our customers detailed requirements. These AC or DC Solutions are engineered from modified COTS (Commercial Off The Shelf) products or custom built as Bespoke Products. All Custom UPS Solutions can be Marine Approved to DNV, ABS, Lloyds, ABS, etc.

Our range of Custom Industrial Power Solutions have been supplied into Marine, Industrial, Offshore/Petrochemical, Defence, Transport and Power applications for many years with proven reliability and availability in harsh and onerous environments

- Products include
- AC UPS
 - DC UPS
 - Power Supplies
 - Inverters/Converters
 - Ingress Protection to IP54
 - EExd Rated Protection
 - Offshore Battery Packs



19" Rack AC UPS



Wall AC UPS



Converter



Floor AC UPS

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, Generators, Inverters/Converters, Extended Runtime Battery Pack Solutions, IP54 Enclosures and Bypass Systems, we are also able to supply UPS products from the following Manufacturers: Alerex, Alpha Technologies, APC, Chloride, Eaton, Emerson Liebert, Nova Electric, Riello UPS and Technology Dynamics Inc.

UPS products are available from 300VA - 1100kVA
Diesel Generator sets from 5kVA - 3000kVA



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 ISO9001:2000 certified



harland simon
power solutions



Harland Simon UPS Ltd • Bond Avenue • Bletchley • Milton Keynes • MK1 1TJ
T: 01908 56 56 56 • F: 01908 56 84 00
E:enquiries@hsups.co.uk • W: www.harlandsimonups.com