

Custom UPS Solutions



AC & DC Power Solutions

Marine & Offshore

Features

- single phase AC UPS
- three phase AC UPS
- DC products
- custom solutions
- rugged design
- marine approved; DNV, Lloyds, ABS
- AVM and high IP rating



AC UPS for Marine Applications



Harland Simon offer the Powerware range of marine certified AC UPS systems ranging from 2kVA up to 160kVA 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
- anti-vibration mounts
- deck/bulkhead fixing assembly
- ruggedisation
- transformers for IT-Mains
- 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



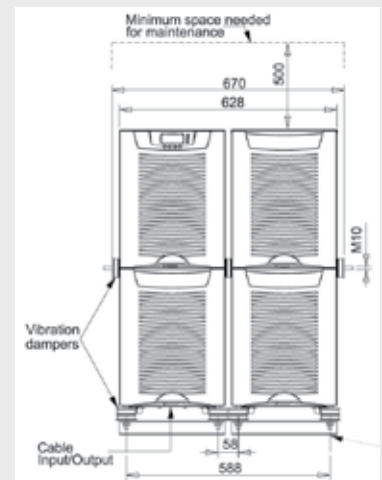
Single Phase Marine AC UPS Products

Powerware PW9120M

- single phase input/output
- 2kVA and 3 kVA @ 230VAC
- 3kVA @ 110VAC
- DNV type approval
- compliant with IEC60945
- 5/10 year hot swap batteries
- marinized - AVM/IP22

Powerware PW9155M

- 1:1 phase 8-10kVA
- 3:1 phase 8-30kVA
- integral input transformer
- integral/external battery option
- marinised - AVM/IP22



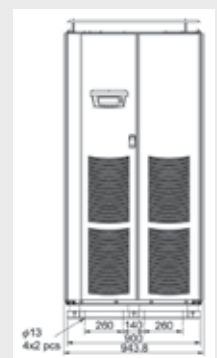
Three Phase Marine AC UPS Products

Powerware PW9355M

- 8 - 40kVA
- integral or external batteries
- integral or external transformers
- marinised - AVM/IP22

Powerware PW9390M

- 60 - 160kVA
- matching battery enclosure
- no neutral input kit
- marinised - AVM/IP22



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 specified batteries, distribution and connectivity to fully meet customer requirements and be suitable for the proposed environment

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 to 110V, 1 - 50A loads
- chargers (DCC range) - 3 or 1 phase, 1 - 50A loads
- power supplies (DCP range) - 1kW to 5kW
- DC UPS (DCU range) - 12V to 270V, several hours



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 products or custom built as bespoke products

Our range of custom industrial power solutions have been supplied into Marine, Industrial, Offshore, Military, 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
- generators
- ingress protection to IP54
- Ee-xd rated protection
- offshore battery packs



Harland Simon Products & Services

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

As well as our own product portfolio which includes, generators, AC and DC power solutions, converters, extended runtime battery packs and bypass systems, we are also able to supply UPS products from the following manufacturers: Ablerex, APC, Chloride Power Protection, Eaton Powerware, MG OPS, Riello Galatrek, Siemens, Socomec Sicon and XP

UPS products are available from 300VA - 800kVA
Diesel Generator sets from 5kVA - 2000kVA



Harland Simon offer free site surveys for any application and our technical capabilities encompass 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

