



Uninterruptible Power Supplies for Defence Applications

AC and DC Rugged Power Protection
Solutions for
Air | Land | Sea | Joint Services

Harland Simon is an independent supplier of rugged UPS offering a comprehensive range of power protection solutions for the defence industry.

We offer varying levels of complexity and compliance with military standards (DEF-STAN & MIL-STAN).

Harland Simon works selectively with a few of the world's largest suppliers of UPS as an approved engineering partner hence 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, ULTRA, Thales, Raytheon, General Dynamics, Airbus.

UPS System supplied for MOD project



UPS & Battery Pack (front)

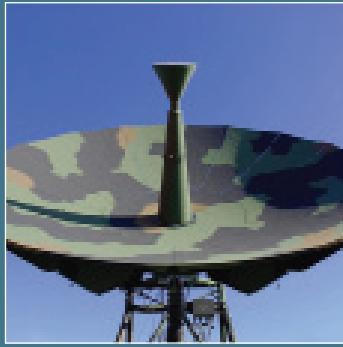
- » 1kVA rugged AC UPS
- » Type tested to meet DEFSTAN
- » Rugged transport case with AVM
- » High efficiency modular UPS
- » Easy module maintenance
- » Lead Crystal® batteries
- » Special connectivity



UPS & Battery Pack (rear)



- » COTS, Rugged or Custom
- » AC UPS
- » DC UPS
- » Inverters/Converters
- » Power Supplies
- » DEFSTAN - MILSTD
- » 1KVA up to 100KVA
- » High Spec Batteries
- » Design, Manufacture, Test & Manage
- » Service & Support



Uninterruptible Power Supplies for Defence Applications

AC and DC Rugged Power Protection
Solutions for
Air | Land | Sea | Joint Services

Harland ProtectUPS® - D

The Harland ProtectUPS® - D is a range of rugged and environmentally protected power protection systems that have been specifically designed and manufactured to support critical defence security equipment in harsh field environments.

Our Case Mounted UPS is designed for field deployment into harsh battle conditions while the 19" Rack Mounted UPS is built from a COTS UPS then modified, ruggedised or customised for the customer's application whereas the Fixed or Vehicle/Vessel Installation is a rugged free standing UPS that is welded/bolted into vehicles/vessels via AVM to withstand shock & vibration.



3 kVA/10 minute Case Mounted AC UPS



7 kVA 19" Rack Mounted



10 kVA N+1 Converter

AC & DC UPS Capabilities

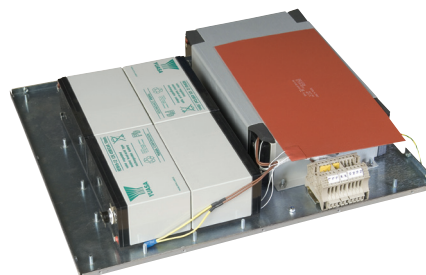
PRODUCT RANGE

- 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



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 | Ni-Cad | Lead Crystal® • NATO Stock Number Products • 5-20 Year Life Span
- Wide Temperature Range



RUGGEDISATION

- Select Power Components • House in suitable Enclosures • Aluminium for Lightness or Stainless Steel for Strength • Extra Fixings

