



## DC POWER SOLUTIONS BROCHURE

How to use the QR (Quick Response) Code

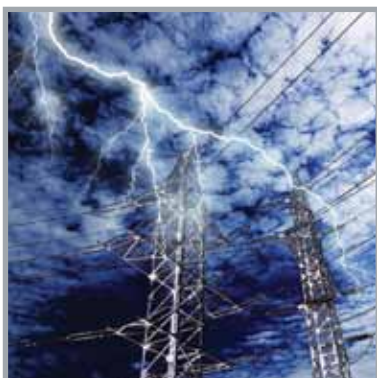
- Download an App to your Smartphone
- Scan the QR Code
- QR Code will open a dedicated URL



## Harland Simon DC Solutions

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Standard & Bespoke Solutions



### Features

- Power Supplies/Battery Chargers
- DC Rectifiers
- DC Trippers
- DC UPS
- DC - DC Converters
- DC - AC Inverters
- Custom DC Solutions



### DCC

Harland Simon supply a full range of Battery Chargers for Commercial, Industrial and Marine applications, utilising standard products where possible. We also provide a full design service should your application require this.

- 19" Rack or Chassis Style Charger
- Robust Floor Standing Steel Enclosures
- Single or Three Phase 50/60Hz Input
- Output any Voltage up to 272vDC
- Standing loads up to 500A
- Lead Acid or NiCad Battery
- Metering, Alarms and Indications as required
- DSM 19" Rack Mount Series designed for PA/VA Systems (to meet EN54-4)



### DCP

Harland Simon offer a range of DC Rectifiers/Power Supplies suitable for a range of Industrial and Telecom applications. Typically, modular in design which enables us to offer a range of solutions with built in parallel redundancy or N+1 configurations. The modular designs also offer a much wider range of scalability which enables us to offer systems from only a couple of 100 Watts, but still packed with features, up to many kW's.

- Rectifier Modules 400w, 800w, 1.2kW, 1.6kW, 2kW & 4kW
- 48vDC & 24vDC Modules
- 19" Rack configurations or complete enclosures
- High Efficiency
- High Density
- LCD, Smart Controller (Web/SNMP) & Distribution Options



### DCT

The DCT range of Trippers provide a DC supply in electrical substations and switch rooms for the tripping and closing of circuit breakers.

The DCT range of DC Tripping/Closing Units includes a battery and automatically controlled charger for high reliability in critical applications.

- Robust Wall or Floor Mounted Steel Enclosure
- 24v, 30v, 50v or 110v Output
- Standing Loads from 1A to 50A
- 2AH-10AH Ni-Cad or larger VRLA Battery / NILD
- Mains On Indication, Voltmeter, Test Facility and Charger Fail Alarm



### DCU

The DCU range of DC UPS provide regulated and battery backed up power for critical DC loads requiring long support times

- 19" Rack or Chassis, Wall or Floor Enclosures
- 1 or 3 Phase 50/60Hz Input
- Output 12vDC to 120vDC
- 1A to 100A from 5 minutes to 24 hours
- Lead-Acid or Ni-Cad Battery
- Meters, Alarms & Indications as required



### DCDC

Industrial DC to DC Power Converters available from Harland Simon come in 3 basic mounting formats, either for chassis mounting, din rail mounting, or for rack mounting (these can also be used as standalone units using optional mounting brackets).

These converters can also be linked as part of a system with other DC/DC or AC/DC converters, and can be wired to operate in parallel for higher power applications up to 27kW, or coupled to provide n+1 redundant systems.



### CDCS

Harland Simon is a leading supplier of modified, rugged and fully custom Power Supplies, DC-DC Converters & DC UPS systems for Commercial, Industrial & Military applications.

Our military products can be built to military environmental standards such as MIL-STD-810.

Robust construction & extremely high reliability are features inherent to Harland Simon products.



### DCI

Harland Simon offers a range of DC-AC Inverters suitable for Telecom of Industrial applications.

- Can be used as a standalone item or as an integrated inverter power system designed for use in applications where very high reliability of the AC supply is required
- Modular design ensures maximum flexibility to configure solutions to customer's requirements
- 19" rack and wall cabinet versions available
- Range of inverter types is between 24 & 216vDC (all common battery voltages). Standard types have an output of 230vAC/50Hz. Other output voltages and frequencies are available for delivery on request.

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



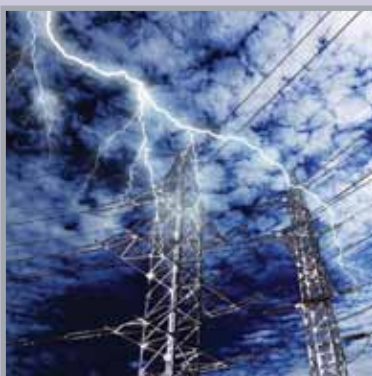
Harland Simon offer free site surveys for any application and our technical capabilities cover from initial design to life of product support

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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