BAE SYSTEMS

CASE STUDY

part of the harland protectUPS range

BAe Systems FALCON

Rugged Case Mounted 3.8 kW/5 mins UPS
Rugged 19" Rack 3.8 kW/30 mins UPS

BAE Systems PLC is among the world's largest defence contractors and is a British multinational defence, security and aerospace company headquartered in London, United Kingdom and with operations worldwide.

In 2007 BAe awarded Harland Simon UPS Ltd. the contract to design and supply a range of UPS systems to support the new Falcon communication system which will replace the Ptarmigan system.

3.8 kW/30 minutes UPS and battery packs fitted into a 19" rack for mounting into military vehicles

In summary the contract covered design, manufacture, type test and certification for various UPS.

The original order was to supply 100 x 19" rack mounted 3.8 kW/30 minutes rugged custom UPS to the army followed by 25 x case mounted pallet 3.8 kW/5 minutes rugged custom UPS to the air force over a 5 year period.

The Design Phase lasted 6 months and included detailed design of power electronics making them suitable for the harsh environment.

The equipment was designed in strict compliance with a detailed specification and then subjected to stringent independent type testing to prove full compliance.

The customer acceptance trials started mid 2008 with the first batch in main deliverable items completed early 2009.

Deliveries continued until 2012 with field logistics support until 2019.

Andy Parfitt, Sales Director HSUPS, said *"Harland Simon has designed and built an extreme high-end rugged ups which meets all of the challenges set out in the original specification, including EMC, vibration, weight, life batteries and timescale."*

3.8 kW/5 minutes UPS and batteries built into NATO Rugged Transport Cases suitable for Harsh Military application using COTS equipment

- *Container or pallet mounted*
- *High power 3.8 kW/30 minute UPS*
- *Rugged design*
- *Modular design (max. 50kg 2 man lift)*
- *Independent environmental testing*
- *Minimum IP43 operational protection*
- *Military connectivity with optional FEDPS monitoring*
- *10+ year ILS and CLS support package*

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

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