

DMS technologies

Company History

Established in 1986, DMS technologies are a leading supplier of battery products and power systems to the UK MOD and a wide range of industries worldwide including civil aviation and aerospace, military, telecomms, rail and marine. An ISO9001:2000 company DMS technologies employs over 40 staff at our manufacturing facility in Romsey.

DMS offers excellent technical advice and after-sales service both direct and via our distributor network.

If you have any questions regarding the Red Flash® power packs or any other product from our range, please call us on +44 (0) 1794 525400 where a member of our team will be happy to assist you with your enquiry. Alternatively you can email us at info@dmstech.co.uk or visit our website www.dmstech.co.uk

“ DMS technologies is the leading supplier of power packs to the Hellenic Market, and has supplied the Hellenic Army (Special Forces, Infantry, Armour, and Artillery Directorates) from 2001.

In addition to this, a number of power packs have been delivered to the Hellenic Air Force supporting Training Aircraft and Helicopters.

Recently, the Hellenic Police have purchased the Red Flash® Engine Start and Portable Power Packs covering their need for quick and efficient support.

All clients have been totally satisfied by both the products and services provided by DMS technologies.

DMS technologies has been established as the most reliable power pack manufacturing company.”

Lt. Col (Rtd) Panos Vlachinos
General Manager
P.A.S.S. DEFENCE

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Information in this document was correct on time of production although DMS technologies reserve the right to change this information without prior notice.

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DMS technologies



Engine Start and Slave Battery Systems for Military Applications



Engine Start and Slave Battery Systems for Military Applications

“ I would recommend this product to other users who are looking for a simple cost effective solution to power on the move.”

Unit Executive Officer
Dorset Police Air Support Unit

DMS technologies Ncage K5F40

DMS technologies have been supplying the UK Ministry of Defence with battery slave systems designed for portable engine starting since 1986.

Our equipment is now used worldwide and has a proven reliability in starting all types of military vehicles including:

- > Helicopters
- > Battle Tanks
- > Armoured Vehicles
- > Heavy Goods Vehicles
- > Light Aircraft

Using the highest grade AGM batteries our equipment is designed to operate in the harshest environments, reliably delivering large peak currents to start all vehicles.

The robust polyethylene outer case protects the internal batteries and electronics from damage in the field, whilst also reducing the weight of the slave battery system to allow it to be fully transportable and man portable.

Main Benefits

- > Separate slave unit for 24V and 12V military vehicles
- > Operating temperature range from -40°C to +50°C
- > Peak power of 11.7KW
- > Lightweight - man portable
- > Rugged polyethylene outer case resistant to field and workshop damage
- > Safety features including on/off isolator; reverse polarity warning; surge and spike protection
- > Full LED state of charge indication
- > Full range of output leads to suit all vehicles
- > 8 Amp 3 stage charger unit
- > Optional Trolley available
- > NATO codified



Battery Packs and Portable Power for extreme applications

DMS technologies design and manufacture specialist and custom built battery power packs; which can suit both extreme temperatures and operating conditions.

Battery solutions for high specification requirements including generator starting, telecommunication standby, silent emergency power and portable auxiliary power are available. Our Existing customers include the Ministry of Defence, Government Authorities, Rolls-Royce and Police Authorities.

Whatever your requirements please contact the DMS team who will be happy to discuss your options with you.



Technical Specification

24V Slave Kit

DMS Part Number:
7204-0011
NATO Part Number:
6140-99-736-6448

For Class A vehicles including Battle Tanks, Helicopters and Heavy Goods Vehicles.



12V Slave Kit

DMS Part Number:
7204-0010
NATO Part Number:
6140-99-549-9700

For Class B vehicles including Armoured 12V Vehicles and Cars.



24V Slave Kit

12V Slave Kit

The Slave Kit incorporates the following equipment:

Kit consisting of:

- 1 x 12 or 24V Battery Slave Pack
- 1 x 50mm² x 2M output lead assembly fitted with fully insulated crocodile clips
- 1 x 50mm² x 2M output lead assembly fitted with NATO battle tank connector (24V only)
- 8A 3 stage charger
- Optional: Trolley - DMS part number 7303 - 0005

Power Source:
2 x 12V 26Ah AGM batteries

Power Source:
2 x 12V 18Ah AGM batteries

Weight (pack only)
24 Kgs

Weight (pack only)
15 Kgs

Cranking Performance @ 25°C to 14.4V is 785A

Cranking Performance @ 25°C to 7.2V is 740A

Peak Power @ 25°C - 11.7KW

Peak Power @ 25°C - 5.5KW

Safety:

- On/off isolator switch
- Surge and spike protection
- Reverse polarity indication
- Fitted with external accessible fuse
- Fully isolated output clamps

Operating Temperature: -40°C to +50°C

Dimensions: WxDxH 360x190x510mm

Case construction: Grey colour polyethylene

LED Indication: "charging", "reverse polarity" and "state of charge".

Charger: 12V 8A (nominal) 3 stage charger (fused)

Lead Assemblies and Accessories



2 metre 50mm² Output lead with NATO Battle Tank Connector

DMS Part Number:
7600-0024



2 metre 50mm² Output lead with NATO Aircraft Connector

DMS Part Number:
7600-0028



2 metre 50mm² Output lead with NATO Vehicle Connector

DMS Part Number:
7600-0026



2 metre 50mm² Output lead fitted with Crocodile Clips.

DMS Part Number:
7600-0027



2 metre 50mm² Output Extension Lead.

DMS Part Number:
7600-0025



UK Battery Charger

DMS Part Number:
EU Version:7700-0021

DMS Part Number:
7700-0020

Other products available:

Red Flash® RF1500 - NSN:6130-99-507-2603

Specifically designed to provide portable DC power for turbine starting and ground support equipment, the Red Flash® RF1500 provides reliable support both in workshops and remote locations. Nato codified, the RF1500 is compatible with most 28V systems which include aviation equipment, helicopters, light aircraft and artillery. For further information please refer to the DMS technologies high rate engine start brochure, or speak to a member of the DMS team.

For large turbines or for applications which require additional power in extreme conditions, the Heavy duty dual pack is available; two RF1500 packs are coupled together to provide over 3000Amps starting power.