

DMS technologies

Engine Start and Ground Power Support for Aviation and High Rate Applications



www.dmstech.co.uk

ENGINEERING WITH ENERGY

RED FLASH® Engine Start and Ground Power Support for Aviation and High Rate Applications

The “Red Flash” Portable Power Pack has been specifically designed to provide DC power for portable turbine starting and ground power support.

The single pack will provide over 1500 Amps starting power, maintaining a stable voltage to ensure engines are started in the most extreme environments. Proven in use, the Red Flash Power Pack will start military and commercial aircraft; helicopters and other heavy-duty vehicles.

Starting engines from on-board batteries places heavy demands on battery performance, which can lead to reduced lifetime and a compromise on operations. The Red Flash Power Pack will provide reliable and portable DC power for use in the workshop or remote locations.

For large turbines or for applications with very demanding, high current start sequences we recommend the Red Flash - Heavy Duty Dual Pack where two starter packs are coupled together to provide over 3000 Amps starting power.

Main Benefits

- Designed for high rate engine start applications including aircraft and helicopters
- Compatible with 28V aircraft systems
- Parallel port - to double capacity
- DC starting power in excess of 1500A (single pack) and 3000A (dual pack)
- Man portable
- Classified non-hazardous for land or air transportation
- Operating temperature range -40°C to +50°C
- Safety features

Features

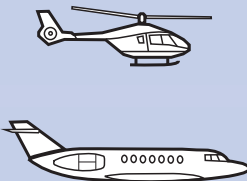
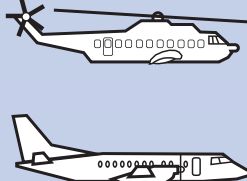
- Full range of output leads and accessories available (NATO approved) to suit civil and military aircraft
- Robust and scratch resistant powder coated stainless steel case
- Integral carry handle
- Can provide auxiliary power for radio, avionics and workshop



Dual Red Flash 1500 Pack shown, joined via link connector for double capacity (dual trolley available)



Technical Specifications

| DMS Part Number, Power Pack & Description: | 7204-0001 Red Flash Power Pack 1500 Amp | 7204-0002 Red Flash Dual Power Pack (Heavy Duty) 3000 Amp |
|--|---|---|
| |  <p>For Helicopters with small turbines and Corporate Jets</p> |  <p>For Helicopters with larger turbines and Regional Aircraft</p> |
| Power Source: | 2 x 12V Sealed Lead Acid Battery | 4 x 12V Sealed Lead Acid Battery |
| Capacity: | 38Ah | 76Ah |
| Peak current output (typical): | 1500A | 3000A |
| Discharge capability: | Maintains 660A at >18V for 5 seconds (11.9KW) | Maintains 1200A at >18V for 5 seconds (21.6KW) |
| Safety | <ul style="list-style-type: none"> • Isolator Switch with integral key. Rated at 2500A • Reverse polarity indication provided by acoustic alarm and LED • Charge circuit protection provided by self-resetting fuses | |
| Operating Temperature: | -40°C to +50°C | |
| Weight: | 33 Kg (pack only) | 66 Kg (Dual Pack) |
| Dimensions: | 440W x 110D x 460H(mm) | 440W x 220D x 460H (mm) |
| Case Construction: | Powder coated, textured finish (black) stainless steel with integral handle | |

7204-0001 & 7204-0002

Standard Equipment & Accessories

Charger

3 stage charger suitable for 4 hour fast recovery and continuous standby.

Input Voltage 198-264VAC

Output 24V 10A

Output Fuse 15A blade type (DMS P/N K212-F048)

DMS Part Number:
7700-0016



Output Lead

2 metre 50mm² output lead fitted with Crocodile Clips.

DMS Part Number:
K703-K473

NSN:
6150-99-382-7045



Single Trolley

Rugged, steel construction. Powder coated black.

DMS Part Number:
5303-0001



Storage Bag

Black Cordura bag designed for storage of lead assemblies and fixing onto the trolley.

DMS Part Number:
5751-0003



Optional Output Lead Assemblies and Other Accessories

| | | |
|--------------------|--|---|
| DMS Part No | | |
| K703-K470 | 2 metre 50mm ² Output lead with NATO Battle Tank Connector. NSN 6150-99-729-4358 |  |
| K703-K553 | 2 metre 50mm ² Output lead with NATO Aircraft Connector. NSN 6150-99-849-6049 |  |
| K703-K698 | 2.5 metre 50mm ² Output lead with NATO Vehicle connector. NSN 6150-99-434-0515 |  |

| | | |
|--------------------|--|---|
| DMS Part No | | |
| K703-K469 | 2 metre 50mm ² Output Extension Lead. NSN 6150-99-075-8852 |  |
| 7600-0007 | Link Connector (to parallel units) |  |
| 5303-0002 | Dual Pack Trolley - Rugged Steel construction. Powder coated gloss black |  |

(Illustration only)

DMS technologies



Company History

Established in 1986, DMS technologies is 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. DMS technologies is an ISO9001 company and employs over 40 staff at its manufacturing facilities in Romsey.

DMS offers excellent technical advice and after-sales service both direct and to its worldwide 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 525463, alternatively you can email us from our website **www.dmstech.co.uk**

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