

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

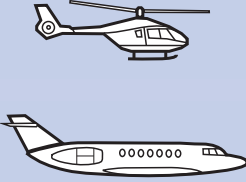
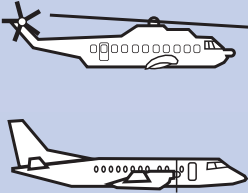
- Full range of output leads and accessories available (NATO approved) to suit civil and military aircraft
- Robust and scratch resistant powder coated stainless steel case
- Integral carry handle
- Can provide auxiliary power for radio, avionics and workshop



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
		
	For Helicopters with small turbines and Corporate Jets	For Helicopters with larger turbines and Regional Aircraft
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)

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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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*reserves the right to change specification without prior notice.
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**Belbins Business Park,
Cupernham Lane, Romsey,
Hampshire SO51 7JF, U.K.**

Telephone +44 (0) 1794 525400

Fax +44 (0) 1794 525450

Email: info@dmstech.co.uk

www.dmstech.co.uk



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