

RED FLASH™ 5Ah 120V **Small Point End Switching Battery & Charger Kit**



DMS Part No **7201-0041**

The 120V Red Flash Small PES Battery and Charger Kit provides a safe, maintenance free power solution for Point End Switching. Comprising of two Network Rail approved products, the Red Flash™ kit uses reliable Cyclon lead acid batteries with modern switching DC rectification technology.

The Red Flash 120V 5Ah valve regulated lead acid battery is a low cost, safe, portable, maintenance free solution, capable of switching up to 6 ends simultaneously. All 57 cells are housed within a single sheet steel module weighing 27kg and fitted with robust heavy duty handles for easy carrying to site. By using AGM batteries that have a smaller footprint than conventional batteries, and do not gas under normal conditions, the battery can be housed in the same cabinet as other electrical equipment.

The nominal 120V 5A charger uses switchmode technology to provide a smooth DC voltage suitable for both charging the battery and supplying the load, whilst conforming to the latest European legislation.

Established in 1986 DMS technologies are a leading supplier of battery products and power systems to a wide range of industries including Aerospace, Telecommunications, Transport and Marine. An ISO 9001:2000 company, DMS technologies offer excellent technical advice and after sales service. Since 1991 DMS has been specialising in the supply of approved battery and charger products for the rail industry.

PADS No **086 / 001851**

Battery Features

- Maintenance free – no topping up required
- High shock and vibration resistance
- Wide operating temperature range:
 - -65°C to +80°C (batteries)
- Improved safety – no loose electrolyte
- Compact design fits easily into lineside cabinet
- Long service life
- Modules have fully insulated touch-proof terminals
- Reduced installation time
- Non-hazardous transportation by land, sea and air

Charger Features

- Low DC Voltage ripple
- Wide input range 88-264V AC
- CE Marked
- Output ammeter
- Sinusoidal wave input
- Light weight

RED FLASH™ 5Ah 120V

Small Point End Battery & Charger Kit

Technical Specification

Kit PADS Number	086/001851
Battery PADS Number	054/003080
Battery Technology	Pure Lead Grid VRLA Battery using AGM technology
Design Standard	Designed to comply with Network Rail specification RT/E/C/11600
Battery System Layout	5Ah 120V array of 57 sealed lead acid cells. connected in series by welded metal interconnections. Cells are conformably coated against the environment.
Battery Capacity & Voltage	5Ah : 120V (nominal)
Operating Temperature Range	-65°C to +80°C
Storage	2 year shelf life from full charge (at 20°C) before recharge
Dimensions mm (LxWxH)	Module: 470 x 290 x 100mm
Weight	Module : 27 kg
Construction	Powder coated mild steel case with Perspex inspection cover. Each module fitted with heavy duty handles and touch proof terminals.
Maintenance	Maintenance free battery system, no topping up required
Charger PADS Number	086/001920
Charger Technology	High Frequency, switch mode
Design Standard	BR1875:1989; CE and Low Voltage Directive
Rating	5A (nominal); 6A (120%); 7.5A (150%)
Operating Temperature	-15°C to +60°C
Ingress Protection (IP)	IP21
Dimensions mm (HxWxD)	315 x 325 x 200mm
Weight	<11kg
Safety	EN60950
Alarms	Charger Fail ; Battery reverse polarity
Features	Output Ammeter; Voltmeter test points

DMS provides battery and charger systems for Rail applications. For further details or technical support, contact our Sales Team.

DMS technologies reserves the right to alter specifications without prior notice



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