

RED FLASH™ 150Ah 24V Level Crossing Battery & Charger Kit



DMS Part No
7002-0023

PADS No
086 / 001853

Our 24V Red Flash Battery and Charger Kit provides standby power for level crossings applications. Our system combines two approved elements into one single approved number.

The first is the Red Flash 24V 150Ah battery comprising six 24V modules connected in parallel to achieve the total capacity. Each module holds 12 off 2V cells in a steel case having a Perspex transparent inspection cover.

The batteries are totally maintenance free and require no topping up or regular inspection, and costs normally associated with the disposal of NiCd cells are reduced.

The second is the BR1875 charger having 24V 9A output. Using switchmode technology the latest development of the BR1875 complies with EMC and Low Voltage Directive.

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.

Battery Features

- Sealed construction – no maintenance
- Excellent shock and vibration resistance
- Wide operating temperature range: -65°C to +80°C (batteries)
- Improved safety – no loose electrolyte
- Reduced installation time
- Compact design fits easily into line-side cabinet
- Long service life
- Modules have fully insulated touch-proof terminals
- 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™ 150Ah 24V **Level Crossing Battery & Charger Kit**

Technical Specification

Kit PADS Number	086/001853
Battery PADS Number	086/023864
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	Array of 6 x 24V 25Ah modules each containing sealed lead acid cells. 2 x junction boxes for wiring terminations 6 x sets battery module interconnections The system modules will be wired in parallel to form a 24V, 150Ah Level Crossing Battery.
Battery Capacity & Voltage	150Ah : 24V (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)	Each Module: 360 x 180 x 183mm.
Weight	Module : 24 kg Total : 144kg
Construction	Powder coated mild steel case with Perspex inspection cover. Each module fitted with heavy duty handles
Maintenance	Maintenance free battery system, no topping up required
Charger PADS Number	086/001910
Charger Technology	High Frequency, switch mode
Design Standard	BR1875:1989; CE and Low Voltage Directive
Rating	9A (nominal); 10.8A (120%); 13.5A (150%)
Operating Temperature Range	-15°C to +60°C
Ingress Protection (IP)	IP21
Dimensions mm (HxWxD)	265 x 260 x 180mm
Weight	<7kg
Safety	EN60950
Alarms	Charger Fail ; Battery reverse polarity
Features	Output Ammeter

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 change specification without notice



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