

## RED FLASH™ 150Ah 24V Level Crossing Battery System



**DMS Part No  
7002-0005**

**PADS No  
086 / 023864**

Our 24V 150Ah Red Flash battery system provides standby power at level crossings. The Red Flash™ battery directly replaces conventional wet NiCd and flooded lead acid batteries. Its modular construction facilitates safe handling and eases on-site installation. 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 24V 150Ah battery exceeds the specified requirements for back up time at all types of level crossing providing in excess of 12 hour autonomy, and providing substantially more capacity than known existing battery systems.

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.

### Main Benefits

- Sealed construction, no maintenance
- High shock and vibration resistance
- Wide operating temperature range: -65°C to +80°C
- Improved safety – no loose electrolyte
- Compatible with BR1875 charging systems
- Long service life
- Reduced installation time
- Minimum 12 hours autonomy
- Replaces wet NiCd batteries

### Features

- Absorbed Glass Mat technology
- Modular construction
- Clear Perspex inspection cover
- Modules have fully insulated touch-proof terminals
- Compact design fits easily into lineside cabinet
- Non-hazardous transportation by land, sea and air

# RED FLASH™ 150Ah 24V Level Crossing Battery System

## Technical Specification

<b>Battery PADS Number</b>	086/023864
<b>Battery Technology Design Standard</b>	Pure Lead Grid VRLA Battery using AGM technology Designed to comply with Network Rail specification RT/E/C/11600
<b>Battery System Layout</b>	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.
<b>Battery Capacity &amp; Voltage</b>	150Ah : 24V (nominal)
<b>Operating Temperature Range</b>	-65°C to +80°C
<b>Storage</b>	2 year shelf life from full charge (at 20°C) before recharge
<b>Dimensions mm (LxWxH)</b>	Each Module: 360 x 180 x 183mm.
<b>Weight</b>	Module : 24 kg Total : 144kg
<b>Construction</b>	Powder coated mild steel case with Perspex inspection cover. Each module fitted with heavy duty handles
<b>Charging Notes</b>	Suitable for use with constant voltage charging systems. Compatible with BR1875 chargers Charger output voltage must be set correctly for use with sealed lead acid batteries.
<b>Safety</b>	We recommend that the charger output voltage is set to 28.8V Touch-proof cable terminals allowing up to 16mm <sup>2</sup> cable entry. (35mm for the Junction boxes)
<b>Maintenance</b>	Maintenance free battery system, no topping up required

**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 specifications without prior notice*



*Red Flash™ is a registered trademark of DMS technologies*

DMS technologies, Belbins Business Park, Cupernham Lane, Romsey, Hants., SO51 7JF, UK  
Tel: +44(0) 1794 525400 Fax: +44(0) 1794 525450 e-mail: sales@dmstech.co.uk

5502-0013 Iss5

[www.dmstech.co.uk](http://www.dmstech.co.uk)