

Technical Information

TPWS UPS Replacement Battery

Unipart Cat No. Description	0086/023532 48V 16Ah Internal Battery Pack	0086/023533 48V 32Ah External Battery Pack & Cassette
Battery Type	Red Flash 600	Red Flash 600
No. of Blocks	4 (2x2 pairs)	8 (4x2 pairs)
Nominal	48V : 16Ah	48V : 32Ah (2 in parallel)
Dimensions (mm)	152 x 180 x 176 (per battery pair)	402 x 480 x 177 (cassette)
Weight (total)	24 Kg	54 Kg

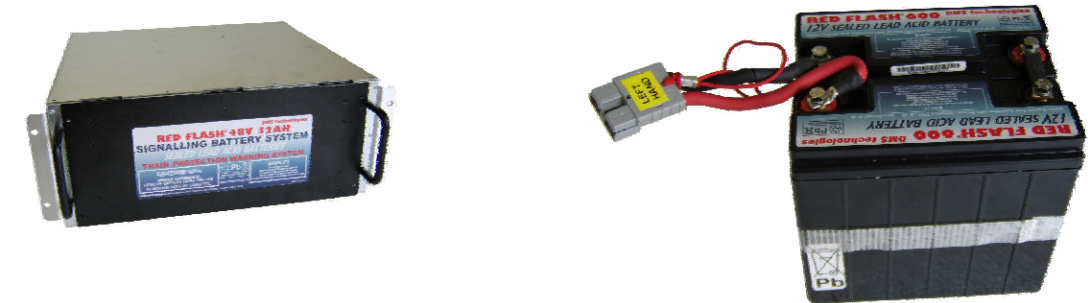
Batteries & Charger Kits

Unipart Cat No. Description	0086/001851 Small Point End Switching Battery & Charging Kit	0086/001852 Large Point End Switching Battery & Charging Kit	0086/001853 Level Crossing Battery & Charging Kit
Battery	114V 5Ah	114V 25Ah	24V 150Ah
Type	Valve Regulated Lead Acid	Valve Regulated Lead Acid	Valve Regulated Lead Acid
Housing	1 off steel module H470 x w290 x H100mm	5 off steel module each L360 x W180 x H186mm	6 off steel module each L360 x W180 x H186mm
Battery Total Weight	27kg	120kg	144kg
Charger	114V 5A	114V 5A	24V 9A
AC input range	85 – 300V	85 – 300V	85 – 300V
Ingress Protection	IP31	IP31	IP31
Features	Output Ammeter, Voltmeter Test Points, Charger fail alarm, battery reverse polarity alarm.		
Housing	H315 x W285 x D200mm	H315 x W285 x D200mm	H228 x W265 x D176mm
Charger Total Weight	13kg	13kg	9kg

Available from:
Unipart Rail, Gresty Road, Crewe, Cheshire, CW2 6EH, UK
T +44 (0) 1270 847 600 **F** +44 (0) 1270 847601

DMS technologies Batteries, Battery Pack and Charger Kits for Signalling Applications

Batteries & Battery Cassettes for TPWS



Battery & Charger Kits for Point End Switching and Level Crossing Applications



Contact for technical advice
 Telephone: +44 (0) 1270 847708
 Facsimile: +44 (0) 1270 847721
 e-mail: technicalsupport@unipartrail.com

New TPWS UPS Battery Pack & Battery with Cassette

For areas without a secure power supply, Unipart Rail now supplies a range of UPS battery back-up products to ensure signalling systems remain operational during periods of power interruption and voltage dips.

Working with Network Rail the new solution is an industrial VRLA battery using AGM technology to provide a robust, long life direct replacement for the cells that were supplied as part of the original equipment.

There are two parts to the total package. The first is a 48V 16Ah battery replacement for the cells that are fitted within the UPS module. The second is a 48V 32Ah battery and 19" cassette to replace the extended battery that is often provided within the TPWS UPS trackside cabinet.

AGM technology ensures that the new batteries benefit from high shock and vibration resistance as well as being classified as non-hazardous for transport by land, sea and air.

Battery Advantages:

- 10 year Design Life
- 12V Pure Lead VRLA AGM battery
- Flame Retardant Case
- Rugged Construction
- -40°C to +45°C Operating Temperature Range
- Low Self Discharge
- Compact design, fits easily into lineside cabinet.



New Battery & Charger Kits for Point End Switching, Level Crossing and Signalling Applications

Unipart rail supply battery and charger kits for Point End Switching and Level Crossing applications.

The batteries are of the Valve Regulated Lead Acid type providing 8-10 years service life in the environmental conditions associated with the Rail industry. The Red Flash™ batteries are maintenance free and do not gas under normal conditions and therefore can be housed in the same lineside cabinet as other electrical equipment.

The charger utilises switch-mode technology to give a smooth DC voltage free from ripple over a wide AC input voltage (85 – 300V). Compliant with BR1875, EMC regulations and fully CE marked, the charger offered provides a lightweight and efficient solution to standby power requirements.

Battery advantages:

- 10 Year Design Life
- No maintenance
- Low Self Discharge
- No Free Electrolyte
- AGM Technology
- Modular Battery
- Wide Operating Temperature
- High Discharge Capability

Charger advantages

- Wide AC Input Range
- Sinusoidal Wave Input
- Lightweight
- Low DC Ripple
- Unity Power Factor



Contact for technical advice

Telephone: +44 (0) 1270 847708

Facsimile: +44 (0) 1270 847721

e-mail: technicalsupport@unipartrail.com