



MINERS CAPLAMP **Alfa WL**



FEATURES


The new **cordless** Alfa WL represents a design revolution in miners Cap lamps. It incorporates the most advanced LED lighting and Li-ion energy storage technology.

This lightweight, cordless, waterproof, gas tight cap lamp attaches directly to the helmet clip. There is no need for the traditional cable connecting to a battery worn on the miner's belt. The Alfa WL is suitable for use in hard rock mining, the coal industry, open cut mining, mine rescue, fire and emergency services any application where light weight, a high degree of reliability and hands free safety (three points of contact) is paramount.

This versatile product can be used by and is not limited to visitors, service crew, firemen, mine rescue, underground workers, mine managers, shift bosses and geologists.

The product comes as a complete solid state unit (LED and Battery) and has full approvals for use in coal mines and

Other hazardous locations:

CE  I BExU09, ATEX 1032, **IEC Ex ib I** (ALFA-WL-M2), **IEC Ex ia I** (ALFA-WL-M1)

Lightweight and built tough

Designed and manufactured for the harshest of mining conditions. This lightweight cordless cap lamp has greater flexibility and a wider application than most of the traditional style batteries.

It can be used for all types of applications and can be personalised to a particular individual.

Safe for transport by air

No restrictions for transport by surface or air freight. It is cheaper and easier to transport than traditional lead acid cap lamp batteries due to its non dangerous goods classification.

Charging

Designed to charge on a specified individual charging unit to provide greater mobility.

Long life

Has a service life of 600 cycles.

Greater reliability

The chemistry of the Alfa WL is inherently more reliable than that of traditional cap lamp batteries. Unlike traditional batteries which sulphate when left discharged, the Alfa WL can be left in a charged or a discharged condition for weeks or months without damage. Storage is not an issue. High temperatures do not cause rapid aging. Rough handling and shocks associated with normal mining use do not damage the inner workings of the battery.

Experience less faults. Say goodbye to downtime and warranty issues.

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SPECIFICATIONS

| | |
|--------------------|--|
| Part Number: | 1-013 |
| Chemistry: | Li-ion |
| Nominal Voltage: | 3.6V |
| Nominal Capacity: | 5 ah |
| Weight: | Approx 185g |
| Size: | length 67mm x width 60mm x height 100mm |
| Temperature Range: | Usage: -20° to +70°Celsius Charging: 0°C to +50°C |
| Lamp BurnTime: | Approx 12 hours normal mode and 18 hours economic mode. |
| Recharge Time | Approx 4 hours |
| Service Life: | Up to 600 cycles. |
| USE: | Hard Rock Mining & Coal Industry. |

CHARGING INFORMATION:

The Alfa WL has inbuilt electronics which allow it to charge on a specified charging unit. The low beam will flash at regular intervals whilst in charge mode. When the low beam stops flashing it informs the user the battery is fully charged and ready for use.

The unit has a low battery warning whereby it flashes 15 minutes before the battery is empty.

For further information contact:

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