

Nickel Cadmium Batteries

In today's competitive environment it is often the hidden elements of a product where "savings" are made. In the case of self contained emergency lighting luminaires, it is often the Nickel Cadmium battery which is judged to be an item where money can be saved, often to the detriment of product performance, life, maintenance, and ultimately safety of lives.

We have a policy of using quality, high temperature Nickel Cadmium batteries manufactured by world class companies using premium materials and graded to the demanding standards of IEC285, and when installed and operated in accordance with EN60598.2-22 meet the requirements for a 4 year life.

In addition to the many standard battery configurations illustrated in this catalogue, we are able to offer special battery configurations to assist in the layout of components within luminaires having restricted space.

Redesigned endcaps now allow for inline batteries to be dove-tailed together creating dual-in-line packs.



Nickel Metal Hydride

The Green Alternative



Anticipating the growing awareness for the need to care more for our environment, we have had an "alternative" battery development program in place since 1996. Whilst the nickel cadmium battery is still specified in the majority of our emergency lighting products, there is no doubt that it is becoming expensive to dispose of both financially and environmentally due to the heavy metals and other pollutants which form part of the chemistry of each cell.

We have been working closely with both sealed recombination lead acid battery manufacturers and nickel metal hydride battery manufacturers to find the most economical and practical alternative to nickel cadmium. Our experience with nickel metal hydride battery packs used in self contained luminaires sited in locations with elevated temperatures, is second to none and we are confident that these batteries, when used in the correct way, have many advantages over other battery technologies.

These are supplied in 2 and 3 Cell variations to enable most Cell combinations to be easily constructed.

- NiMh batteries are kinder to the environment than NiCd and are cheaper to dispose of at the end of life
- NiMh batteries have a better power density than NiCd and lead acid batteries from a smaller size cell, so can be used in products where space is limited
- High temperature NiMh batteries are particularly designed for emergency lighting applications which some alternative battery technologies cannot provide
- NiMh batteries have a lower cost and longer active life than Lithium batteries, which means being environmentally friendly is not too costly
- NiMh battery technology is advancing all the time and there is little doubt they will become increasingly popular, so designing battery and product layouts using NiMh can sizes is an investment in the future

Whether the future of your next emergency lighting installation or the future of the World is your prime consideration, NiMh batteries should feature high on your list of priorities