

## 2.2Ah Nickel Metal Hydride Batteries

### BATTERIES FOR EMERGENCY LIGHTING

All Mackwell NiMH batteries are specified to provide 4 year operational life at +40°C when used in conjunction with specified lamp head / module combination. All batteries are supplied with a 1 year warranty

They are available in both side-by-side (SBS) and stick formats and are designed for 4-years life as required by EN 60598-2-22 and ICEL 1001, when operated within their temperature ranges.

If the temperature ranges are exceeded, performance and operational life of the cells will be reduced.



#### SPECIFICATION

**2.2Ah NiMH Stick type for 3-hour duration:**

**CATALOGUE NUMBER**  
B952

**NUMBER OF CELLS**  
3

**NOMINAL VOLTS**  
3.6V

**CAPACITY**  
2.2Ah

**CELL TEMPERATURE RANGE**

+10 - +40°C

**LENGTH X WIDTH**  
184mm x 27mm

**HEIGHT**  
21mm

**CABLE LENGTH**  
Minimum 200mm

**2.2Ah NiMH (Pyramid configuration) for 3-hour duration:**

**CATALOGUE NUMBER**  
B959

**NUMBER OF CELLS**  
3

**NOMINAL VOLTS**  
3.6V

**CAPACITY**  
2.2Ah

**CELL TEMPERATURE RANGE**

+10 - +40°C

**LENGTH X WIDTH**  
50mm x 36mm

**HEIGHT**  
33mm

**CABLE LENGTH**  
500mm

## 2.2Ah Nickel Metal Hydride Batteries

### BATTERIES FOR EMERGENCY LIGHTING

The batteries are supplied with tag connections and 'flying lead' black and red wire assembly to allow simple push in connection to our emergency modules.

We recommend a maximum storage time of three years at an ambient temperature of 25°C. If this is exceeded it will be necessary to complete three charge / discharge cycles to restore full working capacity.

If you use a battery pack not supplied by Mackwell, you should ensure that it is correctly rated for the application.

**Caution:**

If the temperature ranges above are exceeded, performance and operational life of the cells will be reduced.

**Storage**

Batteries should be stored with at least 30% charge in the open-circuit condition for no longer than 6 months in the following environmental conditions:

- Ambient temperature: -20 to +30°C
- Humidity: 65% ±20%

If the battery is stored for longer than 6 months, it may be necessary to recharge the battery periodically, or before its open-circuit voltage falls to 1.1 volts per cell, in order to obtain reasonably good capacity recovery and to help prevent battery performance degradation.

Mackwell batteries have been specifically selected to work with Mackwell emergency products. If a battery pack is used that has not been supplied by Mackwell, always ensure that it is correctly rated for the application.

Mackwell maintains a policy of continuous development and reserves the right to change the details shown on this data sheet without prior notice.

The contents are intended for guidance only.

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