BATTERIES FOR EMERGENCY LIGHTING APPLICATIONS

The purpose of exit and emergency lighting is to provide light in the event of a mains or local power supply failure. As the prevention of failure of the emergency light is critical, a rechargeable battery is required as a back-up power source.

Batteries for emergency lights need to have a long life, be reliable, robust and space-saving. In the event of fire or a mains failure they need to withstand high temperatures and provide enough capacity to power the emergency light.

KEY BENEFITS:
° LONG-LIFE
° HIGH RELIABILITY & ROBUSTNESS
° EASY TRANSPORTATION (NO IATA RESTRICTIONS)
° WIDE TEMPERATURE RANGE
° SMALL SIZE & LIGHT WEIGHT

Panasonic is the most diversified battery producer worldwide, with more than 85 years of experience producing high quality batteries.

Our rechargeable Nickel-Metal Hydride batteries are specially designed to meet the requirements of emergency lighting applications. With their robustness and wide temperature range from -20°C to 75°C, they deliver excellent charging and discharging performance with an expected life of up to 10 years. They are also most suitable for exchanging with Nickel-Cadmium batteries, being a more environmentally friendly and save substitute.
**EXCELLENT CHARGING PERFORMANCE**

IN HIGH TEMPERATURE ENVIRONMENT

(UP TO 75°C)

Extended upper temperature limit: 60°C to 75°C

66% ➔ 180% ➔ 84%

66% BACK-UP TYPE

180% CHARGING EFFICIENCY

about 1.8 times

84% NEW BACK-UP TYPE

**GOOD BALANCE IN TERMS OF**

CAPACITY AND LIFETIME

LONG-LIFE EXPECTANCY

AT TRICKLE CHARGING

**LONG-LIFE CHARACTERISTICS OF BK-120AAHU**

**GOOD BALANCE IN TERMS OF**

CAPACITY AND LIFETIME

LONG-LIFE EXPECTANCY

AT TRICKLE CHARGING

**SUITABLE USE OF BK-120AAHU**

**BATTERIES FOR**

EMERGENCY LIGHTING APPLICATIONS

Battery performance and cycle life are strongly affected by how the batteries are used. In order to maximise battery safety, please consult Panasonic when determining charge/discharge specs, warning label contents and design. The data in this document are for descriptive purposes only and are not intended to make or imply any guarantee or warranty.

* After charging at 0.1It for 16 hours, discharging at 0.2It.

* For reference only.

* Needs specially designed control system. Please contact Panasonic for details.

For more technical information, please use this email:

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