



Maintenance of Battery Packs for Bullard Powered Air-Purifying Respirators (PAPRs)

General Maintenance Guidelines

Bullard rechargeable PAPR battery packs are durable nickel metal hydride (NiMH) rechargeable batteries designed to deliver consistent power over a long life. Each battery pack model provides up to 800 charge/discharge cycles. However, the life of Bullard battery packs will be significantly reduced when they are exposed to high heat over an extended period of time. To maximize battery life, these maintenance guidelines should be followed.

- Bullard battery packs may be charged any time during the discharge cycle - after 30 minutes of use or multiple hours of use. Voltage depression (AKA “memory”) caused by repeated incomplete discharge cycles is not a significant factor for Bullard PAPR battery packs.
 - Running the batteries down completely (less than 1 volt output) or “deep discharging” will damage the battery cells and may cause the charger to falsely indicate a full charge. To prevent this, do not operate a Bullard PAPR for more than 20 minutes once the low voltage alarm has become continuously activated.
 - Use only the Bullard charger specified for that model battery pack.
 - Always charge Bullard battery packs at a temperature of 77° F (25° C) or less. At higher temperatures, the battery pack may not accept a full charge. If a battery pack feels hot, let it cool 30 minutes at 77° F (25° C) or less before charging. Do not charge multiple battery packs in an enclosed cabinet without ventilation.
- Using batteries in high temperature environments (above 120°F ambient) or near radiant heat sources may reduce battery capacity.
 - Without periodic charging, a NiMH battery in storage loses up to 1 % of its charge each day. Allowing a battery to self-discharge during extended storage will not harm the battery pack. Batteries subjected to prolonged storage should be charged using the initial charging procedure outlined in the PAPR instruction manual.

Disposal

Damaged or worn-out batteries should be disposed of in accordance with local, state and federal regulations at an approved hazardous waste recycling or disposal facility.

Contacting Bullard

- For more information about Bullard respirator systems, visit www.bullard.com or contact a Customer Service Representative at 877-BULLARD.

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