

RADIODETECTION® 

# C.A.T smart batteries and chargers

Helping customers reduce their carbon footprint and work efficiently

SPX® 



# Get the most out of your C.A.T system with our **smart batteries and chargers**



## Increased usage and safe effective working

Driven by increasing workloads, and a focus on safe working practices, operators are using Cable Avoidance Tools more and more to locate and work amongst buried utilities, and with pressure to maintain an ever increasing complex utility infrastructure, they need to be confident that their equipment will perform reliably for as long as possible during the working day.

Extended frequency of use puts pressure on battery life and the frustration of replacing them in the field and having to carry spares is now a thing of the past, thanks to Radiodetection's new long life NiMH rechargeable battery kits.

## Confidence in performance ALL day

Radiodetection now offer a rechargeable battery solution to ensure operators have confidence that no matter how often and in whatever conditions the C.A.T and Genny are needed to be used, they won't be limited by failing batteries.

## Extended usage hours

With up to 14 hours between charges and 500 charge cycles, Radiodetection NiMH batteries provide up to 7000 hours of useful working time before they need to be replaced.

## Climate

Cable avoidance tools need to work at extremes of temperature and humidity. Our NiMH batteries have been exhaustively tested in some of the most inhospitable places and climates to deliver extended accurate and reliable C.A.T and Genny performance.



## Environmental footprint

The majority of one time use Alkaline batteries end up in landfill. Moving to Radiodetection NiMH rechargeable batteries helps reduce the environmental impact with a cost effective higher performing alternative, eliminating unnecessary waste.

## Cost of ownership

The costs and effort to continue to provide large numbers of disposable Alkaline batteries to keep a fleet of Cable Avoidance Tools working is bad for business efficiency and for the environment. Radiodetection can show you how to make considerable cost savings by investing in our NiMH rechargeable batteries over the anticipated lifetime of your C.A.T and Genny.

# Improved safety, with intelligent features and increased durability



## NiMH Battery Features:



Up to 14 Hours

### Runtime

Up to 14 hours continuous use



+500

### Usage

Power output independent of battery state of charge, 500+ cycle times, more environmentally friendly than alkaline batteries



30%

### High Capacity

30% more capacity than NiCAD batteries. Delivers power from 0°C to 50°C at up to 75% humidity



### Multi Use

Standard HR20/LR20 size D-Cell, fits all Radiodetection Cable avoidance tools and Signal Generators (C.A.T and Genny)



### Compact Size

Easily transported



### Standard Fit

Can be substituted with LR20 Alkaline D-Cells in an emergency

10/CATBATX6KIT

6x HR20 NiMH batteries

## Smart Charger Safety Features:



### Overcurrent protection

Prevents battery from overcharging



### Circuit protection

Shuts down to protect the charger if a faulty or incorrect type of battery is plugged in



### Overvoltage protection

Shuts down when the voltage level is exceeded



### Built in timer

Turns off after 6.5 hours



### Battery monitoring

Protects the battery from operating outside its safe operating area



### Staged Charging

Charge starts slowly at 20% of output power, depending on whether battery is able to take charge

10/RXCATRECHARGEKIT

NiMH Recharger with Mains lead  
6x HR20 NiMH batteries

## Radiodetection - Environment and Sustainability

As part of a companywide initiative to **reduce waste and limit our environmental footprint** through responsible procurement, Radiodetection has stopped supplying 'single use' batteries with our pipe and cable C.A.T products and would encourage all our customers to switch to rechargeable options which are both **environmentally friendly and cost efficient.**

We believe that this change will have a **positive impact** on both the environment and our customers, as it will not only significantly reduce the use of batteries, it will also drive **financial benefits and improved business efficiency.**

## Our Mission

Provide best in class equipment and solutions, to prevent damage to critical infrastructure, manage assets and protect lives.

## Our Vision

To be the world's leader in the management of critical infrastructure and utilities.

## Our locations



### USA

Raymond, ME  
Kearneysville, WV

### Canada

Vaughan, ON  
Mississauga, ON



### Europe

United Kingdom **HQ**  
France  
Germany  
The Netherlands



### Asia Pacific

India  
China  
Hong Kong  
Indonesia  
Australia

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