

# Get the most out of your locator system with our smart batteries and chargers

Improved **safety**, with intelligent **features** and increased **durability**

## Smart Battery Safety Features



### Overcurrent protection

Prevents battery from overcharging.



### Circuit protection

Shuts down when there is an error in the circuit.  
For example, when an incompatible charger is plugged in, the battery will not charge.



### Thermal protection

4 temperature sensors that identify and prevent overheating.



### Overload protection

Prevents overcurrent that can cause overheating.



### Cell voltage monitors

Monitors integrity and functionality of cells.



### Low voltage charge / discharge protection

Completely discharging a lithium cell is stressful to the cell and reduces cell lifetime.

## BEST PRACTICE TIPS

Store batteries at 40%-60% charge

Keep charge between 20%-100%

Always use chargers supplied by manufacturer

Disconnect battery when charging is complete



# Smart Charger Safety Features



## Overcurrent protection

Charger will shut down in the event of overcurrent and recover automatically when the fault is removed.



## Short circuit protection

Prevents causing damage to the charger in the event of a short circuit.



## Overvoltage protection

During charging, the charger will automatically cut off when the battery voltage exceeds the limit.



## Built in timer

The charger will automatically cut off when the charging time exceeds 6.5h.



## Battery monitoring

The charger monitors the battery during the charging process by measuring the voltage of the battery.



## Staged Charging

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



## Compatibility

### Precision locator range

RD8200(G) · RD7200 ·  
RD8100 · RD7100 · RD5100

### Marker ball locator range

RD8100MRX · RD7100MRX ·  
RD8000MRX · RD7000+MRX

### Pipeline current mapper

PCMx

### Transmitter range

Tx-10(B) · Tx-5(B) · Tx-3(B) ·  
Tx-1 · RD5100H<sub>2</sub>O+ Tx