

# The Doc's Battery Test Report

Battery Details	
Brand	Powertech 2000
Size	AAA AA C D 9V 6V
Type	Ni-MH Ni-Cd RAM Alkaline Titanium
Current in mAh's	2000
Stated Voltage	1.5 volts 1.2 volts
Number of batteries	Single Set of 2 Set of 4
Battery Set used	Set 1
Times charged before test started	11
Charger used to charge	Rezap RBC883 Vanson Speedy Box UBA4
Time Batteries charged in charger	See UBA graph.

Test Procedures	
Spreadsheet name	
UBA file name	
Select Resistance 5 or 10 ohms	
Voltage cut off	
Date of test	

Summary of test	
Voltage	
Test duration	
Max Battery Temp	
Min Battery Temp	

## Conclusion

Arguably the most interesting test The Doc has undertaken. After running the test a few times the battery set lasted about 350 seconds on each occasion (that is just over 5 minutes). The Doc began to think that one or more batteries in the set was defective, but that was not showing up on the UBA graph. So The Doc charged the batteries in the Rezap and Speedy Box chargers, both of which can sense defective batteries. Neither charger rejected any of the batteries in the set.

Things were now getting interesting, perhaps the battery set was not defective after all. So The Doc ran the test at 10 ohms rather than 5 ohms. Guess what? The batteries lasted 248 minutes. The batteries were not defective, they just cannot work effectively under a heavy load. The Powertech 2000 battery is not suitable for high drain devices – period. Look elsewhere for a high capacity Ni-MH battery. Now that was a short review to write, but it did take the longest to get the results!

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