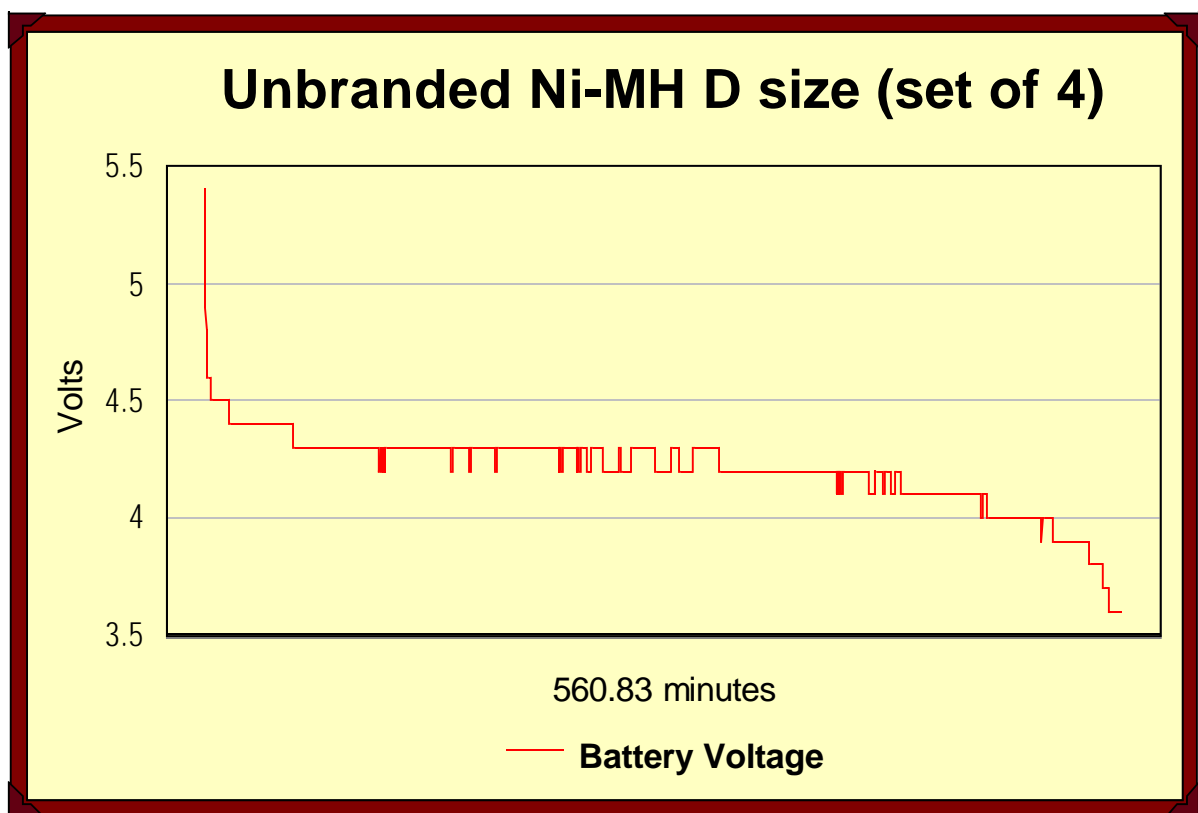


THE BATTERY WIZARD

The Battery Wizard has asked the Doc to undertake some tests on D size Ni-MH batteries. The methodology will be the same as used on my site: <http://www.users.on.net/mhains/>

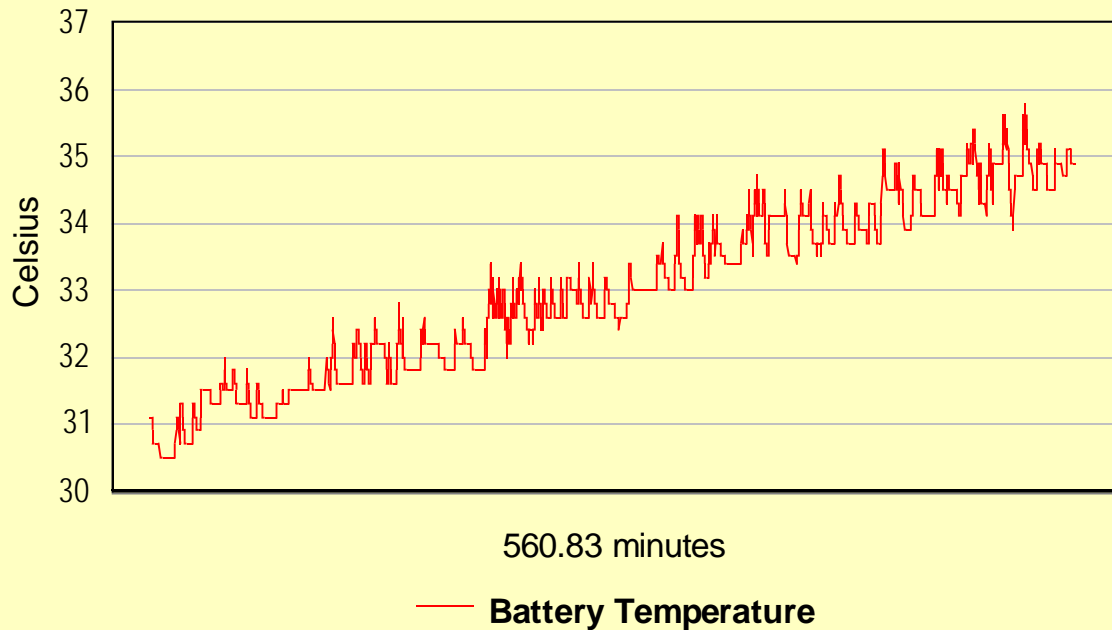
The batteries tested were unbranded 8,000 mAh D size Ni-MH batteries sold by the The Battery Wizard. Now a set of 4 batteries should really perform. These are real D size batteries, not AA size batteries with a D size casing. Ever wondered why some large rechargeable batteries are so light? You now know they are AA battery in a D size casing. Under a load of 5 ohms the results were:



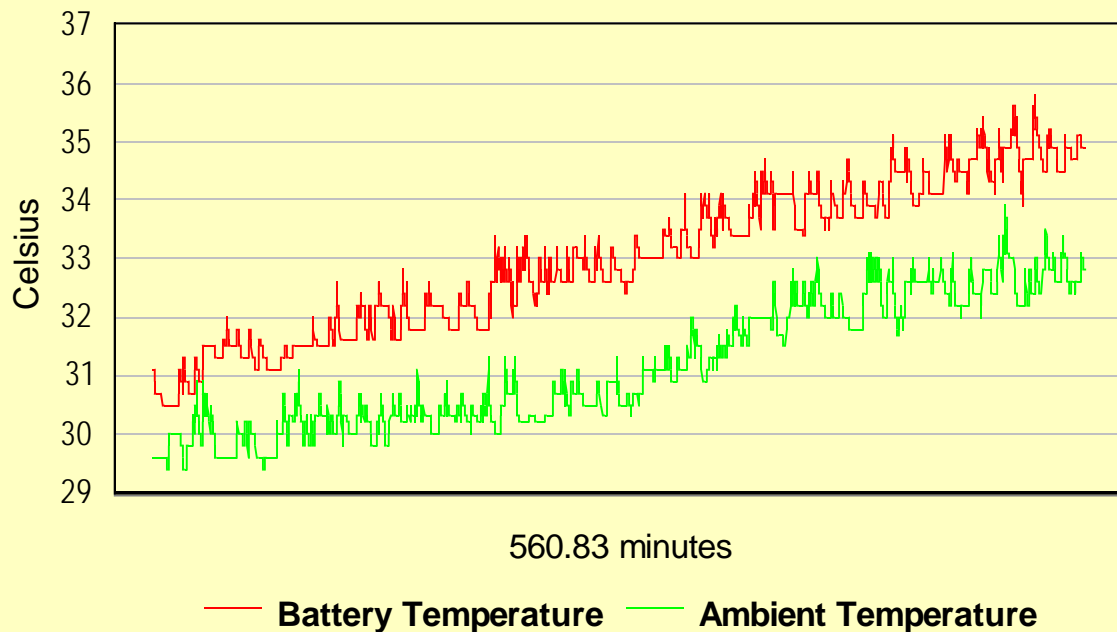
What is scary is that this is the performance after 4 recharges! And it takes about 10 charges to reach full potential. So these batteries may improve another 10 or 15%!

The following graphs on battery temperature and ambient air temperature highlight a couple of things. First, you may notice that the batteries rise in temperature by only 5 degrees, despite the extraordinary long time the test lasts. Secondly, it seems that ambient air temperature is the main reason, rather than the load which has been applied. The Doc has never seen such a sustained load having virtually no effect on the battery temperature. These are the real heavy weights of the Ni-MH batteries (for household use).

Unbranded Ni-MH D size (set of 4)



Unbranded Ni-MH D size (set of 4)



These are extraordinarily powerful batteries, no argument. But such performance comes at a price, the batteries are \$24.00 each, but they are worth it if you need the performance. Before you buy the batteries make sure your charger can charge such powerful batteries, as some chargers will not be able to fully charge a battery rated at 8,000 mAh.