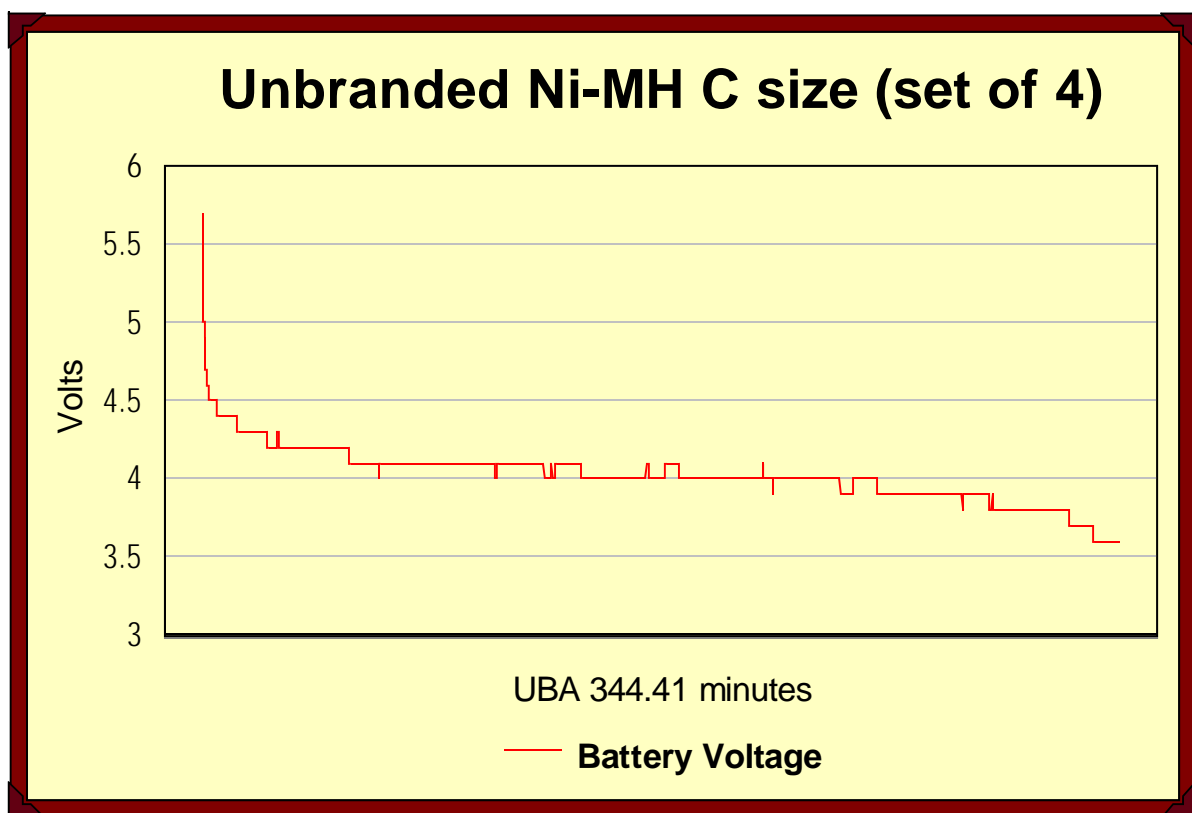


# THE BATTERY WIZARD

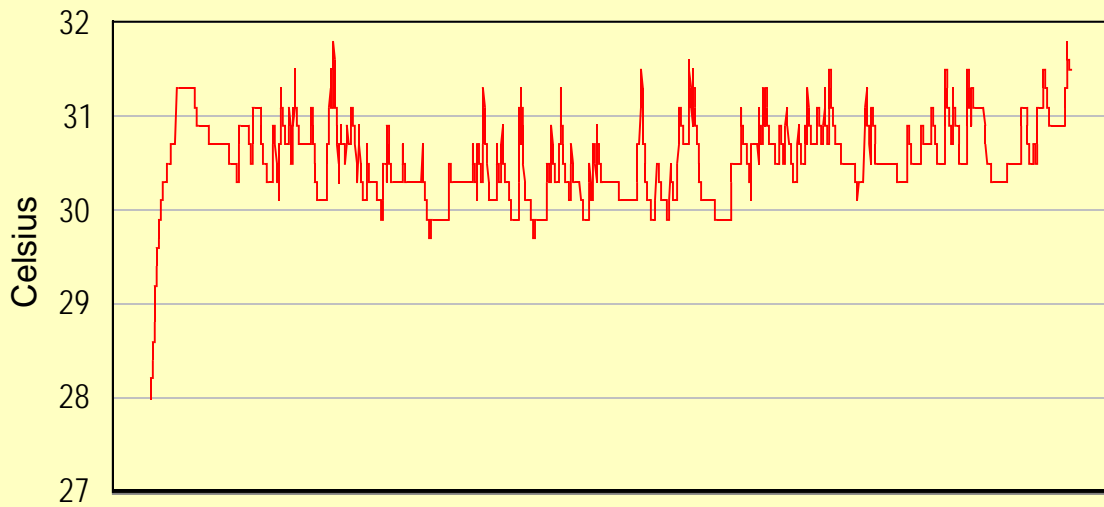
The Battery Wizard has asked the Doc to undertake some tests on C size Ni-MH batteries. The methodology will be the same as used on my site: <http://www.users.on.net/mhains/>

The batteries tested were unbranded 4,500 mAh C size Ni-MH batteries sold by the The Battery Wizard. Now a set of 4 batteries should really perform. These are real C size batteries, not AA size batteries with a C size casing. Ever wondered why some large rechargeable batteries are so light? You now know they are AA battery in a C size casing. Under a load of 5 ohms the results were:



The following graphs on battery temperature and ambient air temperature highlight a couple of things. First, once the batteries go up about 3 degrees Celsius they level out and hardly vary in temperature for the balance of the test. This is in contrast to some of the AA batteries tested by The Doc. The explanation is simple, the C size batteries are better equipped to handle the heavy load for sustained periods. Secondly, these batteries were able to last an incredible 344.41 minutes under the load! No easy task. Once the battery set reaches 31 degrees, its temperature is not influenced by the load, but rather ambient air temperature, suggesting the battery set is handling the load without much difficulty.

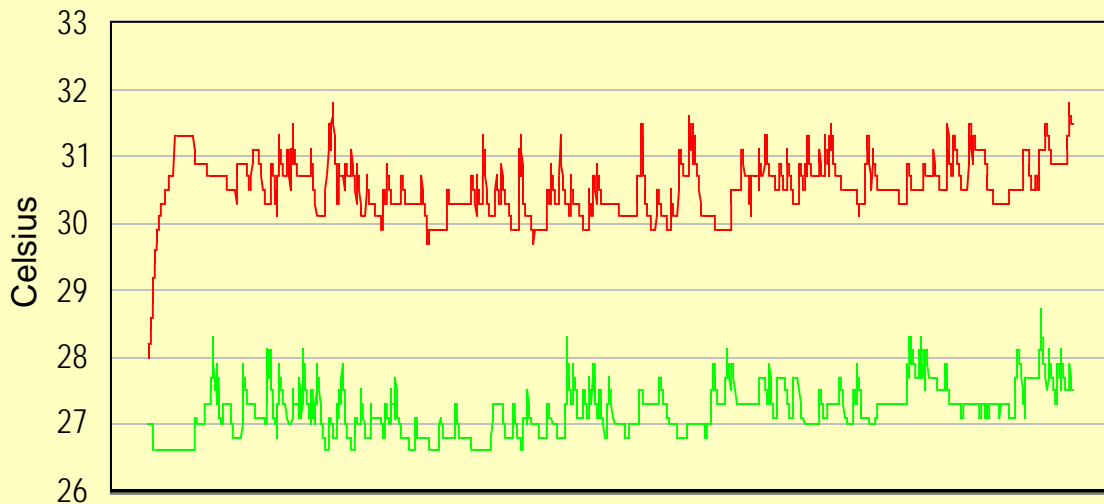
## Unbranded Ni-MH C size (set of 4)



UBA 344.41 minutes

— Battery Temperature

## Unbranded Ni-MH C size (set of 4)



UBA 344.41 minutes

— Ambient Temperature — Battery Temperature

These are powerful batteries, no argument. But such performance comes at a price, the batteries are \$14.50 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 4,500 mAh.