

l = 9.4mA

By experiment I found this just triggers

NiMH cell has an internal resistance of 0.17 ohms

We have 38 of 6 cells so 228 cells.

NiMH cell has a voltage of 1.2v per cell, so

Terminal voltage was actually 285v so the cell voltage is actually 1.25v. I believe this the no-load voltage.

The battery potential is raised from 285 to about 298 so

This is about C/20 so sub-trickle charge, but higher than a maintainence (C/100)

Capacity of a cell is 6.5Ah so charge time is