Dummy cell - AA AAA R3 R6 substitution by Li-ion 10440 14500 LiFePO4

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AA AAA R3 R6 10440 14500 LiFePO4 battery Occupied spacer converter Dummy cell

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Substitution of a Philips LFH 0641 Mercury Battery (6*1.35V= 8.1V) with 2*1080 Li-Ion Batteries (2*3.7V= 7.4V)

A dummy battery is a battery that is just an electrical conductor, not a real battery.

Let me put it to you this way, you've got a blaster with room for four AA batteries. Those Duracells you've been using all this time are 1.5 volt each. Do the math, and you have 6 volts of power.

But lets' say you splurge and get some 3.7 volt batteries from eBay. Well, putting four 3.7 volt batteries in yer blaster is going to generate 14.8 volts, do the math. That's WAY too much for the stock motors and the thermistor cut-offs that come installed with yer blaster. You'll burn your motors out it out in a month, and the thermistors will kick in and limit you to 10 minutes play time.

Enter the Dummy Battery. You put two 3.7 volt batteries, and two dummy batteries that are basically just electrical conductors in your blaster, and you've got 7.2 volts instead of 6 volts. You see, two times 3.7, plus a couple dummy batteries that add zero volts, equals 7.2 volts. Blaster is happy, user is happy, everyone is happy.

Designed to be used with a 3.7V 14500 Li-Ion cell, for instance in a product designed for two AA alkaline cells. Several years ago, I posted here about my then-new discovery of 14500 cells, and many of us ordered them. A week or two later, that same Chinese seller sent (for free, and unrequested), several of these dummy batteries to all of us. Pretty good service for Ebay China, I thought! (Woe be unto him who simply swaps two 14500s for two AA cells in something. Magic smoke challenge accepted!)

One of the twins got a little piano keyboard for Christmas. The included batteries died pretty quickly, so I replaced them. Turns out it's designed for 3xAA batteries, but it came with two cheap AA cells and a shunt. Three alkalines increased the volume and should last a bit longer.

Anyway, these dummy cells popped up in an Ebay search for 14500s today and I was surprised to see that that there

are a lot of sellers for these. Big demand? Apparently these 14500 cells are catching on. Of course their capacity claims are way off, and the capacity deteriorates over time. I have maybe two dozen 14500 cells, purchased ~1.5 years ago. The best capacity when new was ~350 mAh, and now those are half that. Hardly Tenergy quality, but if you use them a lot when you get them, they can be worth the quality gamble.

Dummy Battery AAA 3A Size
Placeholder Cylinder
Electric Current Conductor
to Reduce Global Voltage
Spacer - False Battery - Not Real
Hot Dummy Fake Battery Setup Shell
Placeholder Cylinder False 10440 Battery (4-pack)
AAA Size Conduct Conductor Electric Current
Works as occupying the vacancy of battery compartment and conducting electricity
0 Volt AAA Size Reduce Voltage Battery Occupied Spacer

Attention please!

Battery Spacer is forbidden to be charged!

This item does not include any type battery.

AAA Dimension: H 44mm, Diameter 10mm about

AA Dimension: H 50mm, Diameter: 14 about

Spacer Function: electric short circuit, NOT real battery.

Principle:

For example, LiFePO4 battery has unit voltage 3.2V, equal to voltage of 2pcs NiMH or 2pcs dry batteries. One LiFePO4 battery can replace 2 pcs NiMH or dry batteries. If your electric appliance uses 2pcs NiMH or 2pcs dry batteries, you should use 1pc LiFePO4 battery.

The Spacer is just holding battery space to conduct electricity. If your electric appliance uses 4pcs NiMH or 4pcs dry batteries, you should use 2pcs LiFePO4 battery and 2pcs spacer. The Spacer is just holding battery space to conduct electricity.

1pc LiFePO4 battery voltage 3.2V= 2pcs NiMH or 2pcs dry batteries. So, 1pc LiFePO4 battery can replace 2pcs NiMH or 2pcs dry batteries.

The Spacer is just holding battery space to conduct electricity. If your electric appliance uses 4pcs NiMH or 4pcs dry batteries, you should use 2pcs LiFePO4 battery and 2pcs spacer.