

RATHBONE ENERGY BROADCAST BATTERIES

Since 1989

DO NOT DO A BATTERY REFILL – BATTERY RECELL, EVER!

THESE THINGS BELOW I HAVE KNOWN FROM PERSONAL INSPECTION SINCE 1989 TO PRESENT.

THESE AMATEUR AND AMATEUR FRANCHISE GUYS USE CONSUMER GRADE CHINESE CELLS MANUFACTURED IN CHINESE FACTORIES UNDER CHINESE MANAGEMENT. NO MATTER WHAT "AMERICAN" OR "SOUTH AFRICAN" NAME IS ON THE LABEL IT IS CHINESE MANUFACTURING!

FOR YOUR GOLD MOUNT DIGITAL BATTERIES THEY DO NOT PLASTIC WELD THE CASES, THEY ARE GLUED OR PACKED WITH SILICON. I HAVE PICTURES LINKED.

THEIR WORK IS TERRIBLE, LIKE ON MY AMATEUR PAGE LINK.

I have contacted several of their claimed success stories to discover they were unhappy with the quality of the refills and only used them the one or two times.

THEY DO NOT TEST THE DIGITAL BATTERIES ON ANTON BAUER 2702'S WITH DDM. THEY HAVE NO CLUE WHAT AN AB2702 WITH DDM SEMI-SMART CHARGER IS OR HOW THE COMPONENTS INSIDE THE BATTERIES WORK, NO MATTER HOW MUCH THEY STUDY MY ON-LINE WHITE SHEETS. SEE MY, [AB "Digital" Battery Problems and Resolution](#) ON GOLD MOUNTS FOR DETAIL. BY THE TIME YOUR QUALITY BATTERY DIES THERE IS A VERY HIGH CHANCE THE INTERNAL COMPONENTS ARE FATIGUED!

ON ALL BRANDS OF THE V MOUNT BROADCAST BATTERIES, POWER TOOL BATTERIES, LAP TOP BATTERIES, THEY DAMAGE THE POWER CONTACTS WHICH WILL NO LONGER PROPERLY FIT THE CHARGER OR EQUIPMENT. SEE MY [Rebuilding IDX Endura and the Numerous Generic Brands](#) LINK ON V MOUNTS FOR DETAIL. BY THE TIME YOUR QUALITY BATTERY DIES THERE IS A VERY HIGH CHANCE THE INTERNAL COMPONENTS ARE FATIGUED!

THEY SET UP MANY ALIAS NAMES AND EMAILS AND, LIKE THIRD PARTY, THEY WORK FORUMS HEAVILY ASKING FOR SOMEONE TO MAKE A REFERENCE AND THEN UNDER A DIFFERENT ALIAS NAME THEY REFERENCE THEMSELVES PROMOTING THEMSELVES HIGHLY. IF THEY GET A REAL COMPLIMENT IT IS FROM SOMEONE OF ABSOLUTE BATTERY IGNORANCE.

THEY ARE NOT A BATTERY ASSEMBLER.

THEIR PRIMARY FOCUS IS ON A MARKET I DROPPED IN 1994 BECAUSE OF THE CRAP PUT OUT BY THE FACTORIES AND AFTERMARKET COMPANIES, LAPTOP BATTERIES OR WITH THE FRANCHISE GUYS, OTHER MARKET CONSUMER GRADE BATTERIES MADE IN CHINA.

BATTERY REFILL BATTERY RECELL BATTERY REBUILD: EVEN THOUGH THESE COME AND GO BATTERY REBUILD / BATTERY RECELL / BATTERY REFILL WANT TO BE'S USE RATHBONE BATTERY REFERENCE LIBRARY PDF WHITE SHEETS AS A GUIDELINE, THEY STILL DO NOT UNDERSTAND THE ELECTRONICS, COMPONENTS, AND BATTERY CELLS AND ARE STILL AMATEURS SPINNING FACTS TO BE MISLEADING. NO MATTER WHAT YOU ARE TOLD, QUALITY BATTERY CELLS ARE ALSO NOT AVAILABLE SO DO NOT DO A BATTERY REBUILD, BATTERY RECELL, OR BATTERY REFILL! THESE AMATEURS TRYING TO RECELL OR REFILL ANTON BAUER, ESPECIALLY ANY DIONIC SERIES, DO NOT EVEN UNDERSTAND OR USE THE 2702 WITH DDM AND CANNOT CONFIRM THAT THE BATTERY IS FUNCTIONING PROPERLY. FROM A BATTERY ASSEMBLER, WHAT THESE AMATEURS ARE DOING IS VERY DANGEROUS AND THESE

**ARE VERY DANGEROUS OPPORTUNISTS RISKING YOU AND YOUR EQUIPMENT!
DANGER, DANGER! DO NOT DO A BATTERY RECELL OR BATTERY REFILL, EVER! IF IT
WERE STILL A VIABLE ALTERNATIVE I WOULD NOT HAVE LAID OFF 18 HIGHLY SKILLED
ELECTRONICS EMPLOYEES WHO DID NOTHING BUT REBUILD BATTERIES.**

THESE ARE JUST A FEW REASONS OF A LOT MORE.

Amateur Page

Since 1989 Rathbone has custom assembled primary and rechargeable battery cells into battery inserts and battery packs for many industries. We have also rebuilt broadcast batteries since 1989 and stopped in 2008.

I have over 300 pages on 4 web sites and am changing rebuild pages in between other work, mostly non-paying, as I stage for new infrastructure funds from 3 different markets all 18-24 months away, maybe.

From my personal experience, the Dionic series has just too many internal issues which were, from my experience, normally the real reason for failure of the Dionic batteries sent to me for rebuild. Guys say they are great. ? What have the guys compared them to? What battery background do the guys have? What you have not had or seen, you do not miss. Does that mean I want to watch the world from a TV? No!

***Nickel Cadmium** battery cells are environmentally unfriendly. **Thanks to International Environmental Concerns and the good laws of other countries**, our battery cell manufacturers have already phased nickel cadmium from their manufacturing lines. Panasonic did so in 2005. Sanyo started their depletion in 2008 and that division was sold to FDK in 2009. You cannot use nickel cadmium battery cells and be green or promote yourself as environmentally friendly. Rathbone Broadcast Batteries is an Environmentally Conscious Company striving to stay Green always. Having our own line of lithium ion broadcast battery packs, Rathbone Broadcast Batteries has phased out small cell nickel cadmium battery assembly and also battery rebuilding, no longer supporting new assembly or the rebuild of Original Equipment Manufacturer (OEM) small cell nickel cadmium battery products in any market. Being the only Battery Assembler Worldwide that supports rebuilding battery packs, we understand that this will create a hardship on those already invested in nickel cadmium products but we offer our Upgrade and great alternative in Lithium Ion.

Nickel Metal Hydride: Panasonic stopped production of small cell nickel metal hydride cells in 2009, and in a restructure mode - Sanyo Battery followed. I understand that Panasonic invested in Sanyo Li-ION division and the rest, nickel cadmium and nickel metal hydride among other chemicals, was purchased by FDK Japan in 2009. FDK has world wide offices and manufacturing facilities in Taiwan. If I could find Panasonic or original Sanyo nickel metal hydride battery cells through Panasonic, Sanyo, or another Valued Added distributor, (who by the way have \$5,000.00 minimum orders), the date codes on the cells would be too old and unacceptable for premium capacity ratings. Chinese and South African/Chinese battery cells under any private label name have an average 200 discharge cycles, immediate battery cell deterioration, and cell leakage which will damage circuit boards and components. We do NOT do Chinese cells.

LifePo4 - September 01, 2011: I started work on this product in 2007, I will write a white page on why we continue to elect not to assemble this chemical battery and why the battery pack manufacturers we work with refuse to work with this chemical, and what my colleagues in the EV field and I experience when running extensive test on this chemical from existing manufacturers of the cell. I wanted to introduce this pack in early 2008 but for the expectations of myself and industry colleagues that actually manufacturer battery packs and chargers, it is not practical or ready. I have been approached by most if not all of the manufacturers of the cell for a long time wanting me to consider it for Broadcast batteries and other versions for EV research. I have to

say no and tell them why without giving out our experience and research information for free. This has been very frustrating to me because I was looking forward to using this cell.

[Environmental Statement](#)

[Disclaimers](#)

[Respect Lithium Ion](#)

If I still used nickel cadmium battery cells and did the ProPac Logic or Digital Logic the price would be \$197.00 each converting you from 60WH to 82WH at 5 pounds each and a 6 week delivery as with 5 technicians assembling battery cells into inserts and other technicians doing broadcast rebuilds, it still takes time to do the job correctly and do auto-test on 2702's with DDM. And these cells did not handle heat well but they were the best available cell.

Each rebuild would be with the best available and the last was the Sanyo KR5000DEL battery cell offering +/- 500 discharge cycles, paper tube insulators, plastic welded case and ALL are fully tested on Anton Bauer 2702 Smart chargers with the DDM. They must pass these tests before being inserted back into the full case and plastic welded back together.

I no longer use nickel cadmium or nickel metal hydride battery cells. As you may already know, I used to supply a 1200 discharge cycle sintered positive electrode nickel cadmium battery cell from GE/Gates, Panasonic, and finally, Sanyo. Nickel cadmium is now banned in many countries. GE/Gates is out of the battery business. Panasonic dropped all nickel cadmium in 2005 as soon as these bans went onto paper. Sanyo later followed. In a race with LG Chem for top position in lithium ion and lithium polymer, Panasonic later dropped Nickel Metal Hydride, small cells, focusing strictly on Lithium Ion. Sanyo, attempting to restructure followed. In 2009 Panasonic bought Sanyo battery and Sanyo battery is or has now eliminated all their Ni-CD and Ni-MH production. So, Sanyo and Panasonic no longer manufacturer nickel metal hydride either. I do not do Chinese battery cells no matter the label on the cells.

If I could find quality Panasonic or Sanyo Ni-MH the date codes would be too old and unacceptable for new assembly or rebuilding by me.

1. I no longer rebuild any Lithium ION, Nickel Cadmium, or Nickel Metal Hydride battery, all for very good reasons, Everyone ask the same questions over several calls or emails. With copy and paste I cover everything.

3. When you buy at least four of my NEW Lithium Ion batteries with LG Chem, Panasonic, or Sanyo Very Best Lithium Ion Battery Cells, you get a 2 port or 4 port simultaneous charger with a built in 4 pin XLR power supply at cost.

Please send an email and let me know.

[Rathbone Battery Lithium-Ion High Capacity Broadcast Battery Specifications PDF](#)

[High Load Concerns with ALL battery brands are addressed by Rathbone PDF](#)

[Accepting V Mount Charge and Why We Think V Mount Is Better](#)

[AB "Digital" Battery Problems and Resolution](#)

[Red One Battery Alternative.PDF](#)

[Rathbone Lithium Ion High Capacity Broadcast Battery Material Safety Data, Handling, and Chemical Specification Sheets for Rathbone Lithium Broadcast Batteries \(MSDS\) Specifications PDF](#) The most important specification / information sheet about batteries of any type from any manufacturer is your MSDS (Material Safety Data Sheet). Every battery user should read and understand your MSDS not just for heavy metals but for the chemicals used by any battery cell manufacturer in the manufacture of any battery cell. Reference my PDF, battery cell leakage.

[Battery Cell Leakage](#)

[Rathbone Energy High Power Lithium Ion Film Pack, 15/30V, 4 Pin XLR Connector Specifications PDF](#)

[Rathbone Lithium Ion Battery Charger PDF Specifications](#)

[Rathbone Li-ION Battery Chargers Page](#)

[Mounting Plates and Connectors](#)

Since we no longer rebuild or do new assembly with nickel cadmium battery cells below is a contact for recycling all your nickel cadmium, nickel metal hydride, and lithium ion battery packs. We are NOT affiliated with any recycle contact. For those with minimal quantities of nickel cadmium battery packs they can be dropped off at any Home Depot, Lowes, Sears, etc.

RECYCLE BATTERIES WITH METAL CONVERSIONS:

John Patterson
Metal Conversion Technologies, LLC
1 East Porter St.
P.O. Box 1026
Cartersville, GA 30120
678-721-0022 Phone
678-721-0266 FAX

Place a note in your box letting them know you were referred to them by Rathbone..

Sincerely,

Ron L. Rathbone
Sales
Rathbone Energy
Newport, TN 37821
There's a better way - rathbonebroadcastbatteries.com - when cell quality is paramount.
sales@rathboneenergy.com
sales@rathbonebroadcastbatteries.com
sales@allbroadcastbatteries.com

865-484-1783 Office

Active Web Sites:

www.rathbonebroadcastbatteries.com (Strictly for broadcast battery and equipment selection and information)

www.rathboneenergy.biz (On-line Store-Special Pricing, not much detail)

www.rathboneenergy.com (Detailed product information for all battery power industries.)
www.rathbonebatteries.com

These are the only internet addresses for Rathbone Energy or Rathbone Broadcast Batteries.

An SBA Certified HubZone Empowered Business and potential tax incentive for your company.