

# Rathbone Energy

## Why our lithium ion batteries will accept charge...

Rathbone Lithium Ion Broadcast Batteries were originally designed with a circuit which would cause another company's Smart Chargers to recognize and charge our batteries. However, the factory we use immediately came back and told me that a number of their competitors were in possible legal scraps with another company over this and they would not install that circuit. Of course, since that is the case, neither will I. I can do better anyway.

a) Because of this All Rathbone Lithium Ion Gold Mount Style Broadcast Battery Chargers are sold at my cost plus incoming freight and a very, very minor markup to cover paperwork, or they are promotionally given in package deals of Rathbone Lithium Ion Broadcast Batteries, Gold Mount Style. We recommend using an inexpensive gold mount to v mount converter converting you to the industry standard v mount technology.

b) Sony, being the stand up company they are, does not trademark their V mount technology, so every aftermarket vendor of V mount Lithium Ion Batteries and Chargers can simply duplicate the circuitry of Sony V Mount batteries and chargers.

The question then becomes duplication quality. Unlike aftermarket battery distribution companies, Rathbone Energy the battery assembler, uses only the best components inside of our lithium ion broadcast battery packs and chargers.

Rathbone Energy, a battery assembler, as well as all broadcast battery suppliers use some brand and model of the CGR-1865 Lithium Ion cell in our 90WH or 95WH battery packs. All except Sony which is justifiably more expensive, but they overshoot the price margin.

Sony wears their belt and suspenders. When opening a Sony BP-GL95 for diagnostics and engineering purposes we discovered that Sony uses a much larger / beefy lithium ion battery cell. This battery cell could offer more watt hours of run time but instead Sony utilizes a circuit board design limiting the current flow and holding the battery pack output to +/- 90WH of power. Why?

Sony understands the High Load issues involved with today's Broadcast, Production, and Cinema cameras. The consumer only understands what it cost today. If Sony sold their 90WH batteries for say, \$250.00 each new, this would be a fair price for what is the best design in the market, the V Mount technology. We would build the battery but today's user only looks at price, never value.

Sincerely,

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[www.rathboneenergy.biz](http://www.rathboneenergy.biz) (On-Line Broadcast Store with On-line Specials)  
There's a better way - rathboneenergy.com - when cell quality is paramount.