

----- Original Message -----

From: [Hopkins](#)

To: [Yoshi Hoashi \(PG-USA Inc.\)](#)

Sent: Thursday, September 14, 2006 8:55 PM

Subject: Re: Nanopulser experience

Dear Yoshi,

I wanted to give you feedback regarding the Nanopulser.

I prefer to test new products on my own vessel and we cruise most of the summer on our 42' sailboat. It's equipped with 6 five-year-old 105 golf cart batteries for a house bank and a 150 amp alternator that uses a heavy duty Transpo regulator but charges like a stock regulator. In March of this year I put a Nanopulser on our main battery bank and let it work its magic. The difference I found in our charging routine between the last two years and this year is this: In the past, while sitting at anchor, running lighting and refrigeration and stereo, we would need approximately 30 minutes of charging time, using the alternator in the morning and 30 minutes in the evening to satisfy our charging needs. This year, with the Nanopulser in place, instead of 12 hour cycles for charging, we're doing approximately 17 to 18 hour cycles between charges. This confirms my suspicions regarding some of the earlier tests that we've done on battery banks after a Nanopulser was installed and I thought you'd be happy to hear this news. I am recommending this product to my customers.

Sincerely,

Dan Hopkins

Whale Back Marine Systems