

Small electrical motor question. 12 volts 230 Watts on Peg-Perego power wheel jeep

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 - *Date:* Sat, 30 Apr 2005 04:50:58 GMT
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Hello.

To being with, please accept my apologies for the noobie questions I am about to make.

Heres the info.

1. Two small electrical motors rated 12volts 230 watts powers a Peg-Perego electrical jeep. it looks like one of them power wheels ride on toys. Since the original battery died, I started asking questions and reading previous usenet posts as to replacing the expensive power wheels battery for an ordinary car battery.

I received quite a few replies. Some were cons others pros regarding the car battery adaptation idea. Apparently this has been done sucessfully before my many people. Some replies were concern as to the safety etc. Following advice from this group as well as having read meny hours of googles :), I decided to install a new heavy duty deep cycle GEL battery. It cost me almost triple as much as buying a regular 12vs car battery. However, from my own personal research as other people advices as well, it looks like this was the way to go.

I also bought an inline 40a fuse and installed it on the positive cable.

My kid took out the jeep for a ride, and he was having a blast, until..... the jeep started slowing down. WAYYY down.. almost to a crawl. This is odd, i told myself.. it surely did not seem like the so called deep cycle battery lasted any longer that the orginal small power wheel jeep battery! we are talking like 40 minutes of play time with my kid going around for a ride or two.

So I popped the hood. Checked all the cables. The positive and negative cable were warm but not Hot.. good sign I guess. I touched the battery just to get a touchy feeling.. cold.. I went under the vehicle and touched both motors. I was thinking that maybe the motors

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were over heating or something as that, which might caused the jeep to crawl. They were warm , not hot at all.

Took out my volt meter. Checked the battery for power.

It was reading at 11.40 volts!. thats almost a full charge.!

now heres the really odd part.

left the jeep sitting there for about 40 minutes while i went to a local canadian tire to purchase a battery charger (I didnt have one, and since I just bought this deep cycle.. arghh.. more money) came back. I was unpacking the goodies and noticed that my son had already jumped back onto the truck and he was doing some wheelies! all of sudden the power came back for about 5 minutes before dropping to a crawl again. Check the battery's voltage. It was reading at 11.20 volts. Had my son drive the jeep until it wouldnt move anymore to see how fast the deep cycle battery drained.. when the jeep couln't move anymore and I connected the volt meter, it read at 10.20 volts.

now here are my questions.

If the battery is reading at 11.40 volts (almost a full charge) why are the motors turning sooo slow.

I know that the motors are rated at 12v 230 watts.. so if the battery drops below 11 volts should this caused the motors to simply quit turning the wheel?

I didnt check for the battery Ah rating. I took it for granted that a deep cycle battery meant for a small boat, rideon lawn mover , or even a small vehicle should be enough to put out enough juice to run two 12v motors rated at 230watts... but maybe i am wrong?

the original batteries the jeep uses are 12v 10Ah....

Could it be that the deep cycle battery may be defective? could this explain the drop of power being supplied to the motors?

Finally.

whats the best setting to charge the deep cycle battery? My charger has a setting for 10a and 2a. I am currently using 2a setting. (trickle charge)

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- **Follow-Ups:**
 - ◆ **Re: Small electrical motor question. 12 volts 230 Watts on Peg-Perego power wheel jeep**
◇ From: Kim Sleep
 - ◆ **Re: Small electrical motor question. 12 volts 230 Watts on Peg-Perego power wheel jeep**
◇ From: Bill Jeffrey
 - ◆ **Re: Small electrical motor question. 12 volts 230 Watts on Peg-Perego power wheel jeep**
◇ From: Rheilly Phoull
 - ◆ **Re: Small electrical motor question. 12 volts 230 Watts on Peg-Perego power wheel jeep**
◇ From: JANA

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