

# Re: Battery Powered Lawn Mowers – All Junk – Why?

---

*Source:* <http://sci.tech–archive.net/Archive/sci.electronics.design/2005–04/msg04839.html>

---

- *From:* R Adsett <[radsett@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:radsett@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Tue, 26 Apr 2005 17:31:58 –0400
- 

In article <426e8a5b\$0\$1164\$5402220f@xxxxxxxxxxxxxxxxxxxx>, none@xxxxxxxx says...

> John Larkin wrote:

>> On Tue, 26 Apr 2005 18:36:38 +0200, Rene Tschaggelar <none@xxxxxxxx>

>> wrote:

>>

>> [snip]

>

>>>Another aspect beside battery capacity is the

>>>safety aspect. While a petrol powered engine

>>>stops when encountering a root or a stone or such,

>>>an electric engine starts drawing much more power

>>>when braked. Thus a normal motor is inherently safer.

>>>

>>

>>

>> Controls, or even a circuit breaker, would take care of that. An

>> electric motor has, potentially, less moment of inertia, which would

>> make it safer in lots of situations.

>

> John,

> Are you sure that a 1 or 2 HP electric engine has

> less inertia than a 1 or 2HP petrol powered machine ?

> While the pseudothreephase asynchroneous machine with

> a 90degree cap delivers torque moreless constantly,

> a twostroke engine delivers torque only downwards,

> requires a flywheel to keep it going plus the balanced

> pistons.

The bigger advantage, as far as stopping, is that these (battery powered mowers) usually use brushed PM motors and shorting them on stop reduces the speed rather quickly.

Robert

---

Re: Battery Powered Lawn Mowers – All Junk – Why?

• **References:**

- ◆ **Battery Powered Lawn Mowers – All Junk – Why?**  
◇ From: Holophote
- ◆ **Re: Battery Powered Lawn Mowers – All Junk – Why?**  
◇ From: Rene Tschaggelar
- ◆ **Re: Battery Powered Lawn Mowers – All Junk – Why?**  
◇ From: John Larkin
- ◆ **Re: Battery Powered Lawn Mowers – All Junk – Why?**  
◇ From: Rene Tschaggelar

- Prev by Date: **Re: Battery Powered Lawn Mowers – All**