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r/Jackery

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r/Jackery • 3 yr. ago

xubaso

Does pass-through charging reduce the battery life more than separately charging and using it?

Hello,

the FAQ says: "Do Jackery portable power stations support pass-through charging? Yes, except for the Explorer 160, all other products support pass-through charging. But we don't suggest using it this way very frequently as it will reduce the battery life."

As far as I understand the Jackery can not bypass the battery and send the power from the solar panels directly to the output, even if there is enough energy available at the panels.

So the energy always goes through the battery, which obviously reduces the lifetime, because the battery is being used.

Example with the Explorer 500: Day 1: I charge the battery for 10 hours with 50 Watt, disconnect the panels and then use the battery for 10 hours (I make a test). Day 2: I charge the battery for 10 hours with 50 Watt, but I don't disconnect the panels. I use the battery for 10 hours (I make a test).



6



5

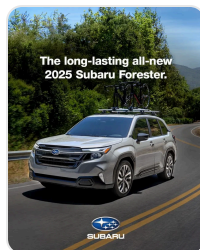
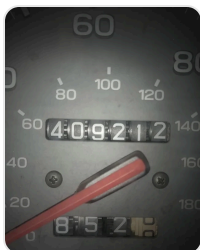
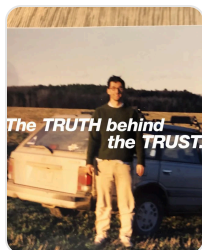


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Santiagodraco • 3y ago

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Seriously considering refusing my 2000 and 4x 200w panel delivery next week based on this, and switching to the Bluetti 200. Right now the only thing holding me back is the portability of the Jackery and the better quality.

↑ 4 ↓ [Reply](#) ...



Baeocystin • 3y ago

It really shouldn't matter, and I don't know why Jackery doesn't recommend it. For what it's worth, I've been using an Explorer 240 as a CPAP UPS for about a year, now, and its capacity does not seem to be diminished at all.

↑ 3 ↓ [Reply](#) ...



ronsky32 • 3y ago

The idea that the battery would be bypassed is counterintuitive.

I believe your interpretation is right, and the use of "pass-through" is wrong. It should be: being able to charge both batteries at once.

⊖ ↑ 2 ↓ [Reply](#) ...



Deep_Ad5141 • 7mo ago

I think the idea of bypassing the battery is a good one. But is that how it happens? I guess not. If the device were to pass current past the battery when it reached 100%, it would prolong the battery's life. But we waste the battery's life, and then we recharge it....

↑ 1 ↓ [Reply](#) ...



Deep_Ad5141 • 7mo ago

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↑ 1 ↓ [Reply](#) ...

⊕ 1 more reply



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↑ 2 ↓ [Reply](#) ...



Top-Membership9838 • 3y ago

I notice that when charging my ebike battery with pass-through (and solar panels), less of the jackery juice is used compared with just using the jackery directly. So, the idea that BOTH batteries are being charged seem to make sense. I'm hoping that since less is demanded from the jackery, it's not a full cycle discharge.

I agree that it would be nice if jackery explained why they discourage pass-through since it is something they advertise!!

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r/Solterra • 5 mo. ago

How to charge the battery?

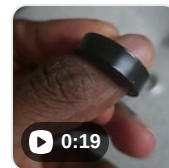
7 upvotes · 7 comments



r/GalaxyRing • 5 mo. ago

Battery life has gotten noticeably worse suddenly

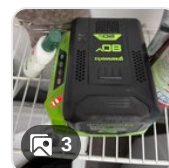
8 upvotes · 24 comments



r/Greenworks • 6 mo. ago

Why isn't this battery charging?

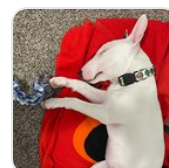
6 upvotes · 25 comments



r/BullTerrier • 3 mo. ago

Battery charging in progress

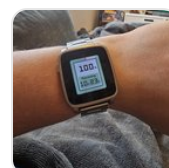
403 upvotes · 18 comments



r/pebble • 5 mo. ago

Genuinely: Why is Battery+ so inaccurate after charging?

25 upvotes · 8 comments



r/GooglePixel8Pro • 4 mo. ago

Battery charging limit to 80%

35 upvotes · 31 comments



r/MVAgusta • 7 mo. ago

Needed a charge new battery recommendations?

28 upvotes · 7 comments



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26 upvotes · 13 comments

 r/Xiaomi_14 · 2 mo. ago

Bad battery life

7 upvotes · 20 comments

 r/SEPS · 2 mo. ago

Does it even make a difference if you wait for your 2. Battery to charge?



11 upvotes · 20 comments

 r/GalaxyNote9 · 3 mo. ago

Battery finally is going bad



27 upvotes · 11 comments

 r/RenaultZoe · 3 mo. ago

Is there a way to force battery preheat for charging

7 upvotes · 18 comments

 r/ebikes · 3 yr. ago

What makes the battery charge faster is it the voltage?

3 upvotes · 15 comments

 r/S25Ultra · 1 mo. ago

Update to my last post on battery life improving



19 upvotes · 69 comments

 r/thinkpad · 3 yr. ago

Is it true that keeping the laptop plugged into the charger wears it down?

13 upvotes · 41 comments

 r/RG351 · 3 yr. ago

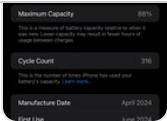
Battery not holding charge?

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Battery health degrading faster

21 upvotes · 46 comments



r/AndroidQuestions • 3 yr. ago

Does Fast Charging damage the battery?

3 comments

r/batteries • 3 yr. ago

When I charge my phone does the capacity still decrease?

5 upvotes · 11 comments

r/macbookpro • 3 yr. ago

Accidentally bought a 30W charger. Is there any danger in plugging that into my MBP (Retina 2019)?

3 upvotes · 1 comment

r/BlazerEV • 3 mo. ago

Confirmed I can actually hit 150kW charging, just need a low enough battery percentage



27 upvotes · 21 comments

r/losi • 4 mo. ago

Micro-B - Battery Charging Question



8 upvotes · 12 comments

r/iphone14 • 1 mo. ago

After 1 year and 2 months of usage my battery health is at 95



78 upvotes · 69 comments

r/AskPhysics • 3 yr. ago

Can someone explain energy, batteries and charging?

3 upvotes · 5 comments

r/Pixel8phones • 4 mo. ago



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