

What happens if you charge a battery with 19V?

If you charge with 19v, the pack will still charge until the pack voltage hits 19v, then will stop as the v diff between the charger and pack is 0v. Great! Thanks so much!

Can I charge a Li-ion battery with 21v?

Thank you again! Assuming li-ion with a max v of 4.2v a cell, then yes 21v will be fine to charge with. the BMS should cut off charging to the pack as soon as any cell hits 4.2v. If you charge with 19v, the pack will still charge until the pack voltage hits 19v, then will stop as the v diff between the charger and pack is 0v.

Can a 21.0 volt battery pack be charged without a current limit?

When the cells are discharged to say 3.0v per cell (15.0 Volts total) a 21.0V power source without Current Limiting will try push as many Amps into the battery pack as possible... this is dangerous to either the battery pack, or the power supply... or both. The charge current must be limited to no more than the mfr rated charge current.

Will a 5 s battery charge if a BMS is less than 21v?

I have a 5s bank of 18650 with a properly sized BMS. Everything I know leads me to believe as long as I provide a steady DC current at the specified voltage (21v) the batteries will safely charge. I'm also curious if the charger is less than 21v (say 19v) does this pose any risk (just that the batteries will not fully charge).

How many volts can a battery pack use?

USB-A: 5V/2.4A 12W Max. (Model: NB7102) USB-C: 5V/3A 9V/3A 12V/3A 15V/3A 20V/3A 60W Max. Do not use the lithium battery pack in places with high humidity or where it may be exposed to wet. Do not modify or disassemble the power bank. Do not throw the power bank into fire or water.

Will a 19V laptop damage my laptop?

Voltage "somewhat over" 19V MAY cause damage depending on the laptop design. As they made it to work AT 19V they have no need to make it survive much higher voltages. There will be an upper safe limit. 21V will PROBABLY NOT destroy your laptop, but may. Voltages more than a little below 19V will probably not work.

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Product description 5S 20A 18V 21V Li-Ion Lithium Battery Pack Battery Charger Protection Board Circuit BMS Module Specifications: Charge Voltage: 18/21V Working State: 25uA (25?) Stand-by State: 6uA(25?) Single Cell Charge Voltage: 3.8/4.25V Store Temperature: -40?-125? RH<=75% Operating Temperature: -40?-85? RH<=75% Current Continuous Discharge ...

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Recommended charging voltage is 16.8V -18V. I have an old laptop charger lying around; its output is rated 19V 3.42A. I'm wondering if the laptop charger is any good for charging the battery pack if the voltage is stepped down to 18V, but I cannot seem to find a way. Considered using LM7818 but I think it needs an input of about 21V.

2 Pack Rechargeable Battery With Charger : Elecshion hedge trimmer is powered by rechargeable and detachable lithium battery (21V 1500mAh), which makes it hassle-free to use. Fully charged in 2 hours for about 120 minutes working ...

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