Convert device 48v52 battery pack

Can I use a 52v battery on a 48V configuration?
Using a 52v battery on a48v configuration is possiblehowever here are the effects with limitations. If the display unit is only permitted to set the voltage to maximize of 48v then the 52v battery will not be much of a benefit an the controller if not equipped with enough mosfet regulators can not work with the increase voltage.

What is a 48v battery pack?
Their block design is dimensionally efficient, contoured plastic case allows optimal air flow when placed next to each other. You can build 48V pack with capacity from 2kWh to 48kWh with option of further expansion by paralell strings or higher voltage. The most commonly used packs are 12V, 24V and 48V.

Can a 48V controller handle 52v?
Thank you! All 48v controllers can handle 52v. The hard limit is based the power MOSFETs inside the controllers,which are usually made to switch 60v max. A fully charged 52v battery is 58.8v,so it's still safe.

Can I use a 52 volt battery on a 48 volt hub motor?
Using a 52v unit pack power battery on 48 volt hub motor. Will it be ok to use a 52 volt unit pack power brand battery on a front or rear drive 48 volt hub motor? Should I or shouldn't I consider doing this? What are the advantages/disadvantages of doing so? Thank you! All 48v controllers can handle 52v.

How much power does a 52v controller have?
The hard limit is based the power MOSFETs inside the controllers,which are usually made to switch 60v max. A fully charged 52v battery is 58.8v,so it's still safe. 52v will give you ~10% boost in power,which translates to mildly faster acceleration and a higher top speed (if your controller has no speed limiter).

Most 48v controllers will accept a 52v battery as they contain 60v capacitors. If you open it up and have a look, you may not need to convert the battery, if you want to convert it, you"ll need to remove the 14th bank of cells, and change the BMS to a 13s BMS

I"m trying to find a company, or someone in the UK that can upgrade My 48v 13ah dolphin style battery to a 52v pack. Also would this upgrade in turn up the ah rating -surely it must right? I recently read an article that suggests you should try an make your volts + ah equation = the grand total of your motor watts. In My case ...

Would be helpful if you posted a picture of your 13s14p (48v) 182 cell battery that you want to upgrade to a 14s15p (52v) 210 cell battery (requiring 28 additional cells). You"ll first need to test the existing cells (e.g. capacity, IR) before deciding if it"s even worth upgrading your existing battery with new or salvaged cells of ...

I had to decide between a 48 and 52v pack for my conversion and I settled on 48V. The cost/capacity was a

fair bargain. Range has so many variables that it can be hard to quantify ...

Rad Power Bikes rear hub 750w that use the 48v/11.5ah Dolphin packs can upgrade to the 52v 11.5ah or 13.5ah Luna Cycle battery pack and slide into the existing tray ...

Yes. The key tho is the controller. You may overtax the battery with a 52v controller.

For example, if the pack is a 13s6p now, you would be going to a 14s6p so would need 6 additional cells. The new cells should be the same as the current ones. You may need to get a new BMS that supports 14s instead of 13s. You may also need a spot welder and nickel strips to connect the new cells, plus the new charger as you point out.

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