How big a battery should I use for 150A current

How many watts can a 150ah battery run?
A 150ah battery may be limited to 1800 watts(12V) or 3600 watts (24V),but if you join it with other 150ah batteries,you can run as large a load as needed. If you have four of these batteries charge by solar panels the runtime will be longer. The only limitation is the inverter size.

How many watts is a 150 watt battery?
Inverter capacity is measured in watts. Battery sizes are measured in amp hours, so you need to find out how many watts a 150ah battery is. Battery ah x battery voltage = watts So if you have a 1 2V Eco Worthy LiFePO4 150ah battery, the watt capacity is 1800. With a 24V battery that would be 3600 watts.

How many watts can a 24V 150ah battery hold?
If you have a 24V 150ah battery,you can load almost 3600 wattsinto an inverter. We say almost because due to inefficiency,inverters will use more power (more on that in a bit). If you place the same load,the 24V 150ah battery will last longer than the 12V because it draws fewer amps.

How many appliances can a 150 watt battery charge?
The number of appliances or devices you can load depends on the battery capacity . A 150ah battery may be limited to 1800 watts (12V) or 3600 watts (24V), but if you join it with other 150ah batteries, you can run as large a load as needed. If you have four of these batteries charge by solar panels the runtime will be longer.

How long does a 12V 150ah battery last?
There are several factors to consider here: the inverter efficiency,battery capacity,load and the prevailing conditions. A 12V 150ah battery can run a 1800 watt inverter load for an hour. A 24V 150ah battery is going to last two hours with the same load. Both batteries will be almost 100% empty by the end.

Can I use a full 150ah battery?
You can usethe full 150ah but it is not advisable for two reasons. One,a full discharge is not good for battery health. It will wear the components out faster. The life cycle gets shorter and charging capacity drops. Second,you will not get 150ah from the battery. Before it drops to 0%,the battery will stop running.

I am looking for fuse sizing for the bolt on battery fuse. Maximum load on the system is 120 amps with everything switched on. Should I use a 150amp fuse or a larger fuse like a 200amp? Any information is much appreciated. Also wire size chart shows 120 amps I should use 2awg wire from battery to busbar, does this sound correct. Thanks

My Inverter (Multiplus II 48/5000/70) calls for a 200 amp fuse between the battery and the inverter. If I use a smaller fuse (perhaps 150 amp) or a 150 amp circuit breaker, is that OK, ie, safer? The battery can output

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101A~120A (for ...

400A class T fuse on each 280Ah battery for battery dead short protection, which will feed into a combiner box breaker with appropriate breakers that actually have a higher Aic than class-T for primary overload protection and service disconnect. The fuse is strictly for preventing battery damage, and I"d prefer my resettable breakers trip, as that"s a lot cheaper.

DC Wire Size Calculators. In the 1st calculator, you input wattage and voltage (Example: 500 watts, 12V), and you get the required AWG or kcmil wire size. In the 2nd calculator, you input the amp draw (Example: "I"m running 50 amp DC ...

There is no current limit with the batteries so it can produce whatever the battery pack can do (with lifepo4 it"s a lot of amps). I wouldn"t use a 200amp fuse with only 35mm2 wire even though that is a short run. I"d stick with a 125amp fuse ...

What Size Wire Is A Battery Cable? Cables coming directly from your battery are the main artery of your RV electrical system. Since they come directly from the battery, ...

It"s This battery that"s 48v 50AH, but the specs say it goes past 48v, I"ve seen it go up to 55v if the lcd read out on my current inverter is to be believed. However, the inverter that I"m planning on buying says that it draws 127Amps on average, which is why they recommend 150A if that"s to be believed?

Battery manufacturers recommend that charging current for FLA batteries should be between C/12 amd C/8. So a battery rated at 100Ah should be charged at a rate between 8.3 and 12.5 amps. Apparently, recharging a battery too quickly will shorten its life. So, if you have a 100 Ah, 12v FLA battery, you should use a solar charge controller rated ...

The charge current/voltage (~90-150A/~14.6V) that the vehicle would supply is within specs for the battery. I would not let the LiFePO4 battery discharge below 10 % SOC or get above 90% SOC (will have to check the corresponding battery voltages for these specs) and I would only charge/discharge the battery when it is within temperature specs.

To pick the right battery size, consider what appliances you must power, how often outages happen, and how long they last. A 150Ah battery works well for most Indian ...

3000W inverter is very large for a 12V system. Let"s assume the inverter is 90% efficient. That means that at full load it needs to draw 3000W/.9=3333.3W from the battery. When the battery is low, it takes 3333.3W/12V= 277.8Amps. (That is a lot). The fusing on that should be 277.8A x 1.25=347.2A Round that up to 350A. * Your battery fuse should ...

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