



4s or 7s for lithium battery solar

What is the difference between 7s & 4s LFP?

Thanks gang! 7S is NOT for LFP, each Lithium Type has different voltages. 4S, 8S, 16S are for Lithium. Several BMS' will allow for 4S, 8S & 16S like the JKBMS with Active Balancers. BUT for 4S they require an external power supply.

Do I need A 4s BMS?

Typically, if your battery voltage is 12 volts, you'll need a 4S BMS; if it's 24 volts, you need an 8S BMS; A 16S BMS is required for 48 volts. If you change from a 4-cell battery to a 4s/4p configuration, you will still need a 4s BMS. This is because these parallel groups are usually treated as a single battery in the BMS configuration.

Does a 4S BMS need a power supply?

BUT for 4S they require an external power supply. 4S/4P If cells are paralleled within a battery pack, the paralleled set is seen as ONE, so yes in this config (albeit terribly unwise) will work with a 4S BMS. You can later reconfigure that as 8S/2P for 24V or just 16S for 48V.

Should I use a 7s or 8s inverter?

When choosing between 7s and 8s batteries for your inverter, it might depend on the type of control system you have. If your inverter shuts off at low voltage and you rely on a non-adjustable charger cutting off at 28.8V, then a 7s battery bank would be your best bet. However, allowing the inverter to shut off at 3.0V per cell every battery cycle could be detrimental.

How many BMS does a 4s2p need?

A 4s2p would need 2 BMSs. A 2p4s would need only one BMS if properly sized. You would not use an 8s BMS on a 4s battery unless it was designed for 4-8 (or more cells) On a boat usually. A 4s2p would need 2 BMSs. A 2p4s would need only one BMS if properly sized.

What's the difference between 4s & 3s BMS?

So if I'm understanding correctly the main drawback of 4s is that you won't be able to fully charge it and the main drawback of 3s is that if the bms fails you will overcharge it and damage the battery/burn your house down? What's its purpose? It's my initial power outage backup system to run fridge, lights, fan and PC's during short outages.



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