



# Battery solar kit 480 kWh

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**PACKING A PUNCH!** BigBattery's 24V 3 kWh LiFePO4 MULE battery packs a whole lot of punch into a compact form factor and is the perfect centerpiece for any solar, off-grid, or emergency power system.

With our advanced BMS, including our proprietary Triple Safety Redundancy system, a 300A Safety Fuse, and the ability to connect several units together in parallel, the MULE can handle large power systems with safety, ease, and reliability. Plus, equipped with a set of sturdy caster wheels, the MULE is easily transported, making for smooth installations and easy mobile power setups. This battery can be setup nearly anywhere and is always ready to power your equipment and your adventures!

Utilizing only brand new LiFePO4 cells, you'll be lasting longer, charging quicker, and saving weight and space compared to the outdated lead acid alternatives available today. It's time for an upgrade. It's time for the 24V MULE. Get yours today!

All of our batteries have a thermal management system that is controlled by the BMS (Battery Management System). This Thermal management system will not only prevent the battery from being used if the temperature is too high, but also if the temperature is also too low.

The voltage drop that you experienced is called the "bubble voltage" and is perfectly normal for Lithium Batteries. LiFePO4 batteries behave differently than other battery chemistries. The Voltage vs Capacity is not linear. For example, if you have a voltage between (13.3 - 14.6) or (26.6 - 29.2) or (53.6 - 58.4) you will have more than 99% of the capacity. This essentially means that "Bubble Voltage" contains less than 1% of the entire capacity and the drop when a load is placed is instant.

No. Our batteries are not marine rated or weather proof, so leaving them out under the sun all day or in the rain can damage the batteries. (This type of damage is not covered under the 10 year warranty.

Lithium Iron Phosphate (LiFePO4) batteries can be cycled from 3000 to 7000 times. If you cycle the battery daily with an 80% DoD (Depth of Discharge), then you can get even more than 10 years of use from your battery.

Our batteries work great with almost all inverter/charger controller brands. The only brand we are not compatible with is RENOGY. Please confirm that your inverter can be set to the operating parameters of the battery you're interested in before purchasing. Parameters can be found as a downloadable PDF spec sheet on every battery product page.

All of our batteries come with free ring terminals that can be used to connect your battery to your inverter, cart, or busbar system. We also sell a parallel busbar that can be used in tandem with the included ring



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terminals to parallel multiple batteries.

In the past Big Battery sold refurbished batteries, such as solar batteries made from recertified Nissan Leaf modules. As of the year 2020, all batteries sold are new, never-previously-cycled batteries that come with a complimentary 10 year warranty.

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