



12 8V LiFePO4 Outdoor Power Station

Better Technology Group

What is a LiFePO4 power station?

The stable chemistry of LiFePO4 power stations makes them ideal for certain environments - hot areas in particular - where it would be unwise to use a Li-ion power station. The most popular power station brand that uses LiFePO4 batteries is Bluetti. A battery's energy density refers to how much energy it can store per unit or volume of mass.

Which LiFePO4 batteries are best?

In the chart below, we compare six popular LiFePO4 batteries from Ampere Time, Renogy, BattleBorn, Eco-Worthy, AIMS and Lion Energy. All are highly-rated batteries that are great for solar power systems, RVs, golf carts, auxiliary power, trailers and more.

What is a LiFePO4 battery?

LiFePO4 batteries, also called lithium phosphate, have several advantages over other battery chemistries. They last longer with most having a cycle life of over 4000 cycles at 80% depth of discharge (DoD). LiFePO4 batteries have a longer lifespan than both lead-acid and conventional lithium ion batteries.

Are LiFePO4 batteries better than lead-acid batteries?

LiFePO4 batteries are lighter and more compact compared to lead-acid batteries. The biggest downside of LiFePO4 batteries is the price. They usually cost more upfront compared to other types of lithium batteries. They are much pricier than lead acid batteries. Some brands can cost up to \$1000 or more.

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