

Inverter and Gel Battery





Overview

What is an inverter battery?

The inverter battery is an energy-storage device designed for use with inverters. We typically use it in off-grid solar systems. The panels generate DC power in these setups, which the battery holds in its chemistry. The inverter's function is to make this power usable by changing it to AC. The image above shows an example of this battery type.

How does a battery inverter work?

The battery sends DC power to the inverter, which then changes it to AC to power loads. This operation is more straightforward if you understand how an inverter works with battery storage. Let's trace the operation before and after or, put another way, during charging and when discharging.

Why is a gel battery better than a lead-acid battery?

Additionally, it will not spill acid, making it safer. It also supports more recharge cycles and has a higher depth of discharge of up to 80%. The gel type is also another advanced variety of lead-acid batteries. It uses a gel to limit the electrolyte's motion.



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