



# Best battery monitor for solar

What is the best battery monitor?

After testing 4 of the best RV and solar battery monitors for over 2 months, I think the Victron SmartShunt is the best battery monitor for most people.

How many amps does a solar monitor have?

Its 350-amp current rating is lower than the 500-amp ratings of the other monitors in this review, but still plenty high for most RV and DIY solar electrical systems. Installing it was easy once I had the right tools for the job. You need a drill, screws, and a 2 1/8" hole saw or slightly bigger (with pilot drill bit).

Why do I need a battery monitor?

The monitor also gives you an estimate of time remaining on the battery, which is useful when you're running loads that draw more or less a constant amount of power, such as lights or chargers. The second thing is that you get a low capacity alarm which can alert you when your battery is running low.

What are the pros and cons of a battery monitor?

Pros: Works with 12-48V lithium and lead acid batteries, has a large screen that displays all your battery specs at once, has a programmable low-capacity alarm  
Cons: Doesn't have Bluetooth, has limited settings to adjust  
Best for: Those who want a well-made battery monitor with a large screen and/or a low-capacity alarm

Is Aili a good battery monitor?

The AiLi monitor is the clear budget option in my mind. It performs all the necessary functions of a battery monitor for a fraction of the price of the other options in this review. Its screen tells you the battery percentage, battery voltage, charging/discharging current, and remaining amp hours.

Is victron bmv-712 a good battery monitor?

For over \$200, the Victron BMV-712 is the only battery monitor I tested with the both of best worlds -- Bluetooth and a screen. It's also a great premium battery monitor with lots of extra features that I think make sense if you're an advanced user or in need of a monitor for a large, expensive battery bank.



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