



Victron power management system

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Remotely monitor Victron Energy equipment all over the world. Victron ...

Jason Svarc is an accredited solar and battery specialist who has been designing and installing solar and battery systems for over a decade. He is also a qualified engineer and taught the off-grid solar design course at Swinburne University (Tafe). Having designed and commissioned hundreds of solar systems for households and businesses, he has gained vast experience and knowledge of what is required to build quality, reliable, high-performance solar power systems.

Victron Energy's power management components are unmatched in terms of compactness, customization, interconnectivity, monitoring, and efficiency. Nearly all of Victron's components are designed for mobile use, making them a great fit for overlanders, van campers/dwellers, RV owners, boaters, and other explorers.

The Victron Energy power system in this vehicle consists of several components that work together in a smart network, allowing the vehicle owner to power all their needs effortlessly without having to worry about where the energy is coming from or going to.

The Smart BMS CL 12/100 safely regulates alternator charging, allowing users to limit both current and voltage provided to the Smart Lithium Battery. The BMS also protects the battery by disconnecting all loads and chargers if any issues occur. The Smart Solar MPPT 100/20 efficiently charges any battery type and is easily programmable via Bluetooth. Users can pick from easy presets for common battery types in the Victron Connect app, or create a 100% customized charging profile.

Specific product being featured on build & MSRP:

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Like many, we were excited about these "future of electrical system" kits. We bought a 5kWh kit and, initially, we were quite smitten indeed. What a beauty! A few months later the honeymoon period ended. Alas, after much testing and, trying to kindle the love, our cupid never showed.

In this post, we'll do our best to compare an EcoFlow Power Kit (specifically the 5kWh "Independence" Power Kit) to a "traditional" system using high-quality, value-priced 12-volt lithium batteries and a bunch of top-quality Victron Energy components and explain why we're sticking with the Blue Power.



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But, You're Biased! Yeah, that's a bit true, but not exactly what you think. It's worth pointing out that selling EcoFlow products is very profitable (notice how many ads there are for these things). In fact, we'd actually earn more money selling you an EcoFlow kit vs. the Victron bundles we discuss in this post. We did sell the Power Kits for a few months but decided to stop selling them recently after considering the limitations. We take our pledge to only sell the very best, road-tested products & the stuff we'd use in our vans very seriously. What follows are the reasons we wouldn't use an EcoFlow kit in our vans & even if we were DIY'ers who were not experienced with electrical systems.

The EcoFlow products are beautifully designed and generally work well if you don't need advanced features. By far, the biggest advantage of an EcoFlow Power Kit over a professionally installed Victron system is how simple it is for a non-experienced DIY'er to install and configure the system. This benefit does not disappoint and we were duly impressed. Here's a photo album of us unboxing and hooking everything up. Overall, it's actually a great system and ideal in certain situations. If the limitations we present in this post are not relevant to you, then EcoFlow is a great option.

However, as you'll see later in this post, at today's prices, you can get everything you need for a comparable (arguably better) Victron system for about \$1,900 less than the EcoFlow kit which is about the cost of having an experienced professional installer wire up your Victron system. That is what we'd recommend to most people so that you're not subject to the limitations we detail in this post and you can have true confidence in your system & both that it will work well and that it will be maintainable and upgradable for the life of your rig. We even have a directory of installers you can browse and, if you're in our area (Florida) we have some trusted installers we can recommend if you reach out.

Contact us for free full report

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