



Off grid solar inverters

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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.

An off-grid inverters primary function is to convert DC electricity into useable AC which can be used by our homes appliances. However, we are about to show you that the best all-in-one off-grid inverters of 2024 can do much more than that.

The GroWatt SPF 3000TL is a good entry level off-grid inverter. It includes a solar charge controller and a high efficiency pure sine wave inverter (93%). You can configure it to accept grid/backup generator (AC) or solar power as a priority.

In addition, there are 3 charging modes: solar only, backup priority, solar + backup. It is all programmable and will switch between one mode to another in function of the available power source to ensure seamless electricity supply.

The EASYSOLAR-II is the latest update of Victron's EasySolar series. A high-quality all-in-one inverter that includes an efficient MPPT solar charger (up to 5800W of PV power) and a smart inverter.

The EasySolar-II can be connected to the utility grid and to a backup generator at the same time. You can easily setup the power backup priority (grid or genset) and the inverter will automatically start the generator if needed.

This product is packed with innovation, it includes 2 of the most efficient MPPT solar chargers (99.9%) to reach a whopping 10kW of PV power. It is also versatile, as it could work in different modes, such as: full off-grid, grid sell, meter zero, time of use and peak shaving.

Flexibility and reliability are the key characteristics of this all-in-one off-grid inverter integrates two high voltage MPPT solar charge controllers that enable PV modules to be connected in series of one or two strings.



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