



# Off-grid energy storage 19 kWh

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The backup systems from Offgridtec are ideal for emergency power supply or for expanding an existing solar system. The systems include, in addition to lithium-ion batteries from Pylontech, a suitable MultiPlus-II inverter and a Cerbo GX MK2 for system monitoring. This ensures that you can maintain your energy supply even in the event of a power outage.

Thanks to the UPS function, the MultiPlus remains active even during a network error and takes over the supply of connected consumers. The switch-over occurs so quickly (in less than 20 milliseconds) that uninterrupted operation of computers and other electronic devices is guaranteed.

To establish an ESS (Energy Storage System) with the backup system, an energy meter with connection cable is required:

With this energy meter, you can perform a grid-connected installation and then monitor your energy consumption or control your energy costs. Thanks to phase compensation, you could even use the 3-phase meter for single-phase systems. This allows seamless integration of decentralized energy sources and consumers into the existing power grid.

In order for an ESS to be considered in the pre-configuration, the meter must be purchased in advance or together with the system!

The US3000C storage is a lithium battery of the latest generation. It has been specifically designed to meet the high demands placed on backup storage. Thanks to cutting-edge technology, the highest safety and a long service life are guaranteed even with regular deep discharging.

The MultiPlus-II is a high-end device combination from Victron Energy, consisting of a 48V battery charger, inverter, and transfer switch. This combination unites the classic MultiPlus components with an external current sensor and integrated anti-island function. As a result, the functions PowerControl and PowerAssist are extended to 50A, and the potential application area is expanded to energy storage system applications. Therefore, the MultiPlus can be ideally used as a backup device in grid-connected and off-grid systems for power supply.

The MultiPlus-II is delivered unconfigured by default. You can find the configuration manual for the system in the download area. If you wish to have a pre-configuration done by us, we are happy to accommodate this for an additional charge. In this case, add the linked article "Offgridtec Pre-configuration" to your shopping cart during the order process. Shipping may take an additional 3-5 working days until the configuration has been completed.



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With the Cerbo GX MK2 communication hub, you can easily control and monitor your system. The flexible connection options maximize your system performance. Monitoring your system is possible regardless of location with the Cerbo GX MK2. With the GX Touch 50 display, you have all parameters of your system constantly in view and can make changes simply and quickly.

Using off-grid solar storage systems allows you to have all the convenience that electricity offers without having to run power lines out to a remote property that may be prone to outages.

Solar panels first convert solar energy or sunlight into DC power using what is known as the photovoltaic (PV) effect. The DC power can then be stored in a battery or converted by a solar battery inverter into AC power which can be used to run home appliances.

Part Number: SA15K-HomeGrid-19.2kWh-ESS

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