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Our 2KW Off-grid Solar System Kit is part of a range of larger solar kits designed to provide power to off-grid locations, this kit is suitable for cabins workshops and offices. The main use for this kit is to be used as a:

- Completely off-grid power system which can have a generator or mains as a backup

Within the kit you have all parts that you require to start producing you own power within 24 hours of installation. It is simple to construct and come with full instructions. We are able to provide technical assistance over the phone if necessary. There are many optional parts of the system which can be used for extra safety and monitoring.

The solar panels are intended to be mounted on a pantile roof using a rail system. Alternatively you can use ConSoles to mount the panels on a flat roof or on the ground. The MPPT charge controller is to be connected to the batteries first, making sure they are wired for a balanced load and charge. The 10m of extension cable from the solar runs to the MPPT charge controller via the roof or other access ways. The batteries are then connected to the inverter/charger making sure to balance the connections.

You are essentially provided a 240V mains supply which you can wire into a mains consumer unit or sub-board. To run 12/24/48V appliances you can either run straight off the batteries or purchase a DC-DC converter. Note: if you have DC loads and have a CCGX in the system then it would be recommended to purchase a BMV-700 to assist in calculating an accurate State of Charge (SoC).

The 2000W kit provides up to 4,000 watt hours per day during winter, 8,000 watt hours during spring/autumn and 14,000 watt hours during summer. The batteries provide 7,920 watt hours backup to run your appliances during the night.

The kit is suitable to power appliances such as lighting, power tools, battery charger, car vac, alarm systems etc for around 4-6 hours per day. If you wish to power larger appliances or run these for longer, please consider a larger kit.

To get a better understanding of appliances that you can use with our powerstations, consider using our appliance wattage calculator (Excel spreadsheet) for the larger kits: