



Power Pak

A Complete Off-Grid System

This new generation Off Grid product will revolutionize the Alternative energy market. It can be a Back-up system or by a flick of a switch become a complete off grid system, for the home.

It comes preassembled and tested with all the appropriate components and wiring needed for an Off Grid system making it an easy setup up for the DIY'er

Features & Benefits

Mode 1 - UPS

The Power Pak can back up circuits in your home, so when the power goes out, you are protected. No need for a noisy, expensive, fuel consuming generator. This system is fully configured to switch automatically over to battery power, when the grid goes down. Protect your fridge, freezer, furnace, water pump (if you have one) or a sump pump

Mode 2 - OFF Grid

Switch the system over and you have a complete Off Grid system. Bring in solar and you are fully functioning. Two of these units could take a home off the grid.

World wide remote access, (IoT)

Open an app on your phone to verify the status of your Power Pak system. In Mode 1; if the grid power goes down, the Power Pak will message your cell phone and let you know your you are operating on back-up power. In Mode 2; the system will message your phone when it is low on battery power. You can program the Power Pak to perform specific tasks. Like turn on the outside lights before you arrive.

Solar panels

Connect the panels directly to the system, the controller is built inside the unit. For 12 volt version, you can hook up 2 – 260 watt panels, connect the two in parallel or series. For 24 volt version, you can connect 4 – 260 watt panels, connect two sets of series panels and parallel these two sets together. Before connecting to the controller.

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Batteries

The cabinet holds 4 batteries. It comes with two as a starter system.

DC meter

This will allow you to see how much solar power is being fed into the batteries and the voltage level of the batteries.

AC meter

Monitor how many watts are being drawn out of the batteries instantaneously, or for the whole weekend.

The size of your system must match your demand. The AC Kilowatt consumption value, will inform you, if you are using more than expected. It is important to size your system correctly, so you do not damage the batteries.



Features

Details

Inverter

3 Kw sine wave at 12 Volts

Solar Panels

Canadian Solar Inc. 260 watt

Controller

40 amp EP Solar controller

DC monitor

EP Solar MT-50

AC Monitor

displays AC volts, watts and Kw consumed

Batteries

AGM 12 Volt 120 amp-hr rated

DC fuse

300 amp

AC breakers

30 amp input and 30 amp output

Solar input

40 amp DC breaker provided

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