

INSTALLING AND COMMISSIONING A SYSTEM KIT

These are the general steps that you should follow in order to connect your system safely and effectively. Remember. All work must be carried out by a competent person, and it is your responsibility to ensure compliance with any local regulations pertaining to electrical connections. If in doubt, read our [terms and conditions](#).

Mount your components onto a board or wall, or mount your pre-wired system board to a wall.

Set up your solar panels, connect them together [as per our instructions](#), being careful to observe maximum voltage and current limits for the controller.

Site your batteries adjacent to your system board if using lithium batteries, and in a suitable ventilated enclosure if using flooded lead acid batteries.

Make any AC connections from the AC Output of the system to your domestic installation, observing any necessary regulations and standards that are applicable.

Make any AC connections to the AC Input (where applicable) from your external source such as generator.

Ensure that AC isolator switches remain OFF.

Connect the system battery to the system board, ensuring that correct polarity is observed. Ensure that the battery isolation switch is OFF, or that the individual battery switches are OFF.

Connect the PV array to the isolator switch or MCB's ensuring that correct polarity is observed. Ensure that the isolator is OFF.

Switch on the system battery.

If a GX device is present in the system, wait a minute for it to boot up, and then connect to it [as per our instructions](#)

Now switch the PV to ON, and check in the GX device / Victron Connect that the charge controller is on and operating.

Next switch on the inverter using the switch on the front of the inverter. You should have a green light on the front of the inverter once it is running, and be able to see it in your GX device / Victron Connect.

Once you are satisfied that the Inverter is operating, and that the PV is connected, you can turn the AC OUT switch to ON, which will provide power to your connected fuse board/ consumer unit.

Useful resources -

Victron support - <https://www.victronenergy.com/support>

Wiring Unlimited -

https://www.victronenergy.com/upload/documents/The_Wiring_Unlimited_book/43562-Wiring_Unlimited-pdf-en.pdf