

# Trouble Shooting And Operating Instructions

## ▶ Earth Fault Alarm:

In the event of an earth fault alarm, you may see some, or all, of the following:

- ▶ The red LED may be illuminated
- ▶ A message displaying “Earth Fault” will be shown on the display
- ▶ An audible tone may also be heard

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**IF YOUR INVERTER DISPLAYS AN “EARTH FAULT ALARM” LEAVE YOUR SYSTEM TURNED OFF AND PLEASE CONTACT OUR OFFICE ON 0457 772 977 AND WE WILL ARRANGE AN APPOINTMENT WITH A TECHNICIAN.**

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## ▶ Basic Troubleshooting:

If the system appears to be not functioning, i.e. blank screen and no LED lights:

- ▶ Check there has not been a power outage (you can call your power distributor or check their website to verify this). If there is an outage the inverter will reconnect when power is restored
- ▶ Check solar array switch is in the ON position.
- ▶ Check that the inverter isolator is in the ON position.

**The following manual shutdown procedure can be a useful tool for resetting the system and solving errors and glitches that may arise with your solar PV power system.**

If you need to shut down the solar PV system, please follow these steps in this order:

## ▶ To Shutdown The System:

**(Please also check the shutdown procedure on your main switchboard)**

1. If your system has battery storage turn off the main **DC battery isolator**.
2. Turn off the **Solar AC Main Supply Switch** located in the switchboard. If your solar inverter is more than 3 metres away from your switchboard, you must locate the switch marked, **Solar AC Main Supply Switch**. This will be located next to your inverter.
3. In case you have more than one **AC Main Supply Switch** (for multiphase systems) they all have to be shutdown.
4. Turn off the **Solar PV Array Isolator DC Switch** located next to the inverter (in some cases there will be more than one switch).
5. Your inverter may have a switch marked **Inverter Isolator**. If it does, flick this switch to the off position. If you cannot locate this switch on your inverter, skip this step.



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**YOUR SOLAR PV SYSTEM SHOULD NOW BE SWITCHED OFF. ALL LIGHTS AND SCREEN DISPLAYS WILL BE DEAD.  
KEEP THE SYSTEM OFF FOR A MINIMUM OF 5 MINUTES.**

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## ▶ To Restart The System:

1. Check there has not been a power outage (you can call your power distributor or check their website to verify this). If there is an outage the inverter will reconnect when power is restored
2. Check solar array switch is in the ON position.
3. Check that the inverter isolator is in the ON position.

**IT NORMALLY TAKES A FEW MINUTES FOR THE SYSTEM TO FULLY TURN ON.  
IF AN INVERTER FAULT PERSISTS, PLEASE CONTACT OUR OFFICE ON 0457 772 977 AND WE WILL HELP YOU DIAGNOSE YOUR PROBLEM AND ARRANGE AN APPOINTMENT WITH A TECHNICIAN IF NECESSARY.**