

IMPORTANT INFORMATION FOR THE SITE RESPONSIBLE PERSON WHO IS RESPONSIBLE FOR THE CARE OF THE GENERATOR

**Weekly OFF load tests
are essentially important to prove the system.**

If the generator **doesn't start** on the weekly test then the operator is first to check the following :-

- * Is the battery charger current 13 Amp feed still turned on in the building ?
- * Has the 13 A feed in the building been turned OFF by accident ?
- * Has the battery been tampered with or stolen?
- * If this is a battery with screw cap tops on the battery, have you checked the distilled water levels are still visible and high?
- * Is there fuel in the generator?
- * Have the door locks been tampered with?
- * Is the emergency stop pressed **IN** ?
- * Are there any alarms on the control panel?

All of the above to be noted, written down and recorded by the site operative and any issues reported to PowerContinuity so we can act in advance prior to a power outage

Remedies –

- * Ensure the 13 Amp electric supply to the generator is permanently turned ON
- * If the battery is not a sealed battery remember to check the fluid level each week and top up with distilled water if the battery is a screw top lead acid battery type.
- * Ensure the generator fuel is always above at least 50% capacity
- * Ensure the generator door locks have not been tampered with by visual inspection
- * Always check that no one has pressed the Emergency STOP button **IN** (it should be **OUT** at all times)
- * Check the generator digital display panel for any alarm messages and then photograph them with your smart phone to send the photo to PowerContinuity HQ.

If on the weekly tests the generator starts each time first time, then all is well.

If though it is noted, that on subsequent weekly tests the generator is taking longer *to start up* each time and only then only starting with MORE difficulty each time , then **that means of the following:-**

- Battery Charger has been turned off by accident
- Battery is deteriorating and in need of replacement
- Low fuel level
- Engine Block heater has been turned OFF

During the winter months it can also be that engine block heater has been turned off by accident as well. Check and turn back ON **So these weekly tests are critical.**

The weekly OFF load tests PROVE the generator starts each time first time, and all is well.

If though it is noted, that on subsequent weekly tests , each week after week, that the generator is taking longer to start up each weekly test ,and then only starting with more difficulty each week , and you have checked all the above are good, then this is the first signs of batteries loosing *life power* and in need of replacement

Each 6 monthly service visit the battery is checked for power strength.

But batteries will fail anytime after 3-4years as the batteries only have a life of max 5 years design life and this period isn't fixed as it's all down to conditions/temperatures/ etc.etc. Once they fail, they fail fast. Exactly the same as with Car/Truck batteries. One day it works the next day it doesn't. That's why we replace early.

The Monthly ON load test

This is vital as this proves the whole automatic system.

- * Our engineer has already shown the site how to turn OFF the mains incoming Breaker in the building to allow the generator to start up and take the building load.
- * Then run the generator for 15-20 minutes holding up the whole building.
- * After this time, then turn back ON the mains incoming Breaker in the building and the building is back on Grid Power, whilst the generator runs for another 5 minutes to cool down and then stops. No the generator is Ready in standby position to operate automatically for the REAL power outage.