

Standby Generators - Regular servicing, Why?

The situations can occur where a generator system is approaching its maximum load rating, that generator may 'fall over' and fail.

How? And Why?

One cause can be that the Harmonics of the total UPS system have not been checked in recent months to detect any irregularities. Peak and troughs caused by bad harmonics can and do cause generators to think that they are over loading.

This condition can be monitored and contained by carrying out a regular service and maintenance of the generator and UPS, every six to twelve months as a minimum, depending upon the growth of load.

We would also suggest a regular regime of controlled mains failure tests with load at least one per month which are then noted and logged.

Such testes will force the UPS system to carry its full load on battery and then for the generator to take over when it has come up to speed within 60 seconds.

By doing this test as a controlled exercise the site personnel are prepared for problems in case of failure and can inform their power protection specialists to visit the site to rectify any issues immediately. Also in the event of a utility mains failure there is renewed confidence that the standby generator will support the load.

If you are still uncertain that request a free site survey, better safe and than sorry.

For further information regarding our range of uninterruptible power supplies, such as [diesel generators](#) please visit our website.

About the Author

Power Continuity Systems have close ties with many industry leaders. Energy Consultancy and Installations.

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