

ACME Headquarters in Gurgaon is India's First Battery Operated Building



ACME has turned its headquarter at Gurgaon into one-of-its-kind 'Battery-Operated-Building' in the world through the installation of a technologically advanced energy back-up solution.

The whole building has been powered using a stack of lithium-ion batteries to the tune of 270 KWh.

This Make-in-India solution has been developed at the 27 acre plant of ACME at Rudrapur, Uttarakhand.

The completely silent solution produces no noxious fumes and occupies a fraction of the space required for a comparable diesel generator. The green technology product has no health hazards.

With a lifecycle of over 10 years, the installation requires zero maintenance.

Battery gets charged fully from deep discharge condition in about two hours time and is available for the next discharge. Unlike the existing

solutions, this solution does not consume any electricity to sustain itself till the next use. However, it goes into Sleep-mode and conserves electricity to deliver complete power back-up.

The major components of the installation are Lithium Ion batteries, Battery Management System and a hybrid inverter.

At the moment, this battery is being charged with the Grid only. However, it can be connected solely with renewable energy like solar, wind, biogas and others or integrated with renewable energy generation and grid-tied as well. It has the scope of helping residential, commercial and industrial segments to satiate their need for reliable, contiguous and clean energy.

Through this installation, ACME has demonstrated to the world, the immense scope of lithium-ion in energy storage solutions and it will truly change the manner in which we manage and store energy.

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