



greenergy



ACME is an innovation company and believes in disrupting technologies since its inception.

As part of our clean-energy drive, we are promoting cutting edge Lithium-ion based Energy Storage Technology that will continue to help integrate new power sources into the electric grid.



Celebrating one year Anniversary of EcoGrid Energy Storage Solution

EcoGrid is a 5 kVA Plug-and-Play Energy Storage Solution powered through technologically advanced and sustainable Lithium-Ion batteries with a lifecycle of over 10 years. This is the country's first of its kind high energy power back-up solution that combines the appeal of green energy, the convenience of power back-up and the strength of high-end storage system for uninterrupted power.



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

Down the Delhi-Gurgaon Expressway, approximately, five kilometers off Exit 7, lies a glass office complex that could be the answer to one of the key challenges to India's renewable energy push.

The office is one of the first buildings in the country to run entirely on a stack of Lithium-ion Batteries.

The system can store 270 kWh of power which is enough to run this building at full load for an hour.



EcoGrid gets listed for online sale on Amazon India

We are happy to announce that ACME 5 kVA EcoGrid ESS is listed on Amazon Online Catalogue for sale.

Now our customers can find us on every device that they are using – desktop, laptop, tablet and mobile. That way, when they're searching, browsing or buying, we're right there. Please click here to buy from Amazon: <http://amzn.to/22MV2UL>



ACME provides Lithium-ion based Energy Storage Solutions for Indian defence establishments

ACME offers integrated energy efficient solutions to Indian defence establishments in high altitude Areas to ensure comfortable living conditions to occupants along Indo-Pak and Indo-China borders with low ambient temperatures.

These systems were installed as hybrid back up power source in Integrated shelters in most forward formations. ACME has installed more than 320 kWh of lithium Ion based Energy storage solutions for military applications. Earlier LA Batteries in the defence establishments were depending primarily on fossil fuel. The technology introduced by ACME is working seamlessly and significant saving in fossil fuel is observed in these locations.



ACME signed MoU to supply Energy Storage System to European Utility

ACME has signed a memorandum of understanding (MoU) with a European Government utility to supply residential energy storage solutions which will also help in stabilizing grid frequency by participating in the Primary Control Reserve (PCR) market.

The definitive agreement with the utility will be signed by next month. The plan is to supply the solutions in three stages, starting with 1 MWh of pilot projects, followed by 50 MWh in the second stage and 100 MWh in the third stage.



Watch out what our happy customers have to say



I installed the EcoGrid solution at my home a year back and feel happy with the output and performance. Power outage is no longer a concern for my family and we are witnessing higher efficiency as compared to our earlier solutions.

We would definitely recommend the EcoGrid solutions for residential & commercial use.

- Kumar Jyoti, Owner, Jap Infra Constructions

We have relied on the team at EcoGrid for providing the best solutions for our evolving energy needs. The benefits that EcoGrid ESS offers for commercial establishments like us, is the best we have witnessed till date for seamless workflow. Their end-to-end service has also been very thorough and we feel we have made the right choice with EcoGrid's ESS solutions.

- R. K. Pandey, Managing Director, Mark One Impex Pvt. Ltd.



Unlimited thumbs up to ACME for their leadership in innovating new green technology solutions for various industries.

My congratulations to them on their professionalism and dedication.

- Dr. K. P. Singh, Director, Uttarakhand Council of Biotechnology

We are happy with our decision to make ACME our partner in our drive to provide reliable and sustainable access of safe water to villagers of Charoli.

Based on our good experience with the solution, we have placed another order on ACME for EcoGrid for our Projects in Telangana and other states.

- Deepak Tokas, Safe Water Network



EcoGrid is brilliant. It is an exciting piece of technology which is a huge step in the right direction for global energy. We strongly recommend it as it's a massive step into the future of energy.

We have been using this system for nearly one year and are happy with its performance.

- Aditya Shinde, Manager Operations, RelyOn Solar Pvt. Ltd.

EcoGrid making strides in Media

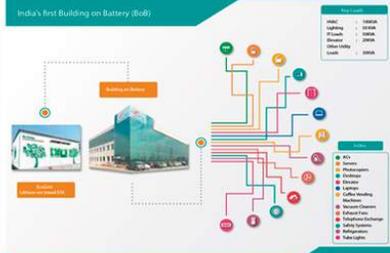
POPULAR SCIENCE INDIA

FACTSHEET

1. What is the total load of the building?
On average 250 kVA during office hours
2. Amperage – rate of flow
360 Ampere per phase (3 phase supply)
3. Storage capacity of the solution (in present form)
270 kWh
4. What kind of maintenance is required and what is the periodicity of maintenance?
The solution requires no maintenance
5. Lifespan of this solution
10 years of life considering 4000 life cycles
6. Components i.e. battery, inverter etc
Lithium-ion based (LiB), battery management system (BMS) and hybrid inverter
7. What is the source of power to the solution – solar, grid or D0 set?
Currently the system is based on power by grid
8. Plans for the future: Aim to install 5 MWh solutions in India by next year. The company has just entered into a MoU with a European entity for commissioning 100 MWh of Lithium-ion energy storage by 2017.

Exports

Year	India	Exports
2015	5 MWh	
2017		100 MWh



Numbers
A 270 kWh of battery installed in an area of Six cubic metres, weighing about 320 kg is powering their 5 storey headquarters. Scale for reference: A normal 8 BHK house requires a solution of 5 kWh.

How many companies or organisations (other than USBD) have been supplied with this solution so far?
ACME has supplied Eco-Grid to many clients. To name a few:
a) Rely on solar: Installed on a guest house in Mewat (Haryana). System works with solar and grid input.
b) Safe Water Network (NGO): Installed to support a RO water purification system in Charoli Village of Uttar Pradesh. The system works with solar and grid.
c) High altitude application: Installed at 17,000 feet on the Indo-China border where the temperature goes below zero. The system works with solar and diesel generators.

What is the cost of this solution?
A standard 5 KVA / 6.6 KWH product costs about Rs 3 lakh.

What is the total capacity it can supply? How many PCs, fans, lights, ACs can the ESS support?
ESS can support 5 kVA of load which is good enough for one AC, three fans, three light bulbs, one fridge, one TV and other small household appliances.

By when will we see this solution being adopted on a large-scale across India?
We are already witnessing the adoption being initiated, customers are getting familiarised with the new technology. Mass-scale adoption should not take more than a couple of years.

Solution for Uttarakhand State Biotechnology Department

The company has commissioned its 5 KVA Lithium-ion technology based EcoGrid Energy Storage System at an auditorium of Uttarakhand State Biotechnology Department (USBSD) to support uninterrupted training and capacity building for students/researchers/teachers. With this installation, they will be capable to promote the uninterrupted learning on the subject and eliminate their dependence on the traditional alternate sources of power. The solution provides users with the ultimate reliable power experience, based on a proven sustainable Lithium-ion based storage technology. Lithium-ion batteries are used in all sorts of devices – power tools, notebook computers, tablets, cell phones and electric cars due to their distinct advantages over wet-cell lead acid batteries. Some advantages of Lithium-ion are:
• Lighter
• Higher energy density
• Lower self-discharge
• Lower maintenance

• No "memory effect"
• Increased cycle life
The system comes with an option of inbuilt solar power integration. It stores energy from the grid and/or solar when available (prioritising solar power consumption to the fullest) and delivers power to loads, when the grid/solar fails to supply.

Based on inputs from ACME.

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Exports

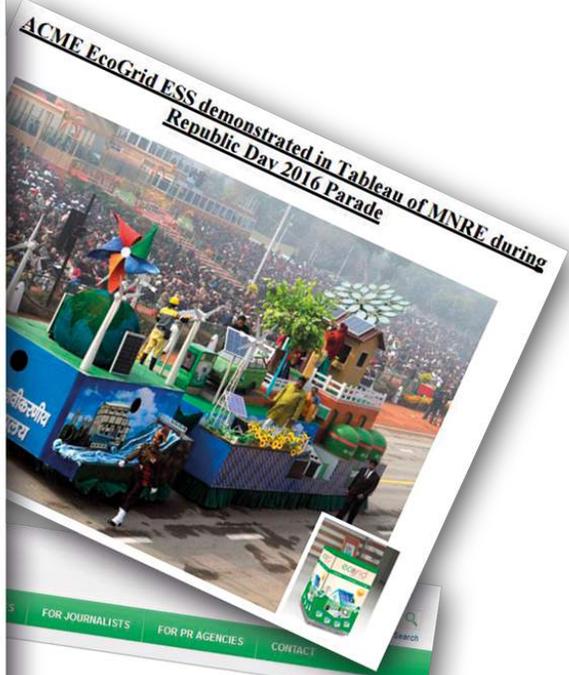
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Energy Storage Solution

Multimedia Section

EcoGrid

EcoGrid

For press background on ACME Group click here

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