



HOW DOES MI-GRID WORK?

Mi-Grid

Mi-Grid is most similar to an Off-Grid solar energy system. It takes solar energy and makes DC power. It uses this power to run an inverter, making AC power, or stores it in batteries, or both.

How does it Differ?

Mi-Grid also connects AC power from multiple sources, a generator and/or utility power. Instead of an oversized battery bank and solar array, it uses the generator as a backup. Mi-Grid is about half the cost of a similar off-grid solar system.



How is that different from regular solar on houses?

“Standard” Solar energy systems installed on residential houses are usually called “Grid Tied” or “Utility Connected”. They simply convert the DC

power from the solar panel to AC power. It is directly connected to house power.

They do not store solar power. Either the solar power is used locally or it is sent to the utility.

Mi-Grid Saves 30% more

Mi-Grid doesn’t sell power to the utility. It saves all of the extra energy in the batteries to use later. If the utility pays less for your solar power than you pay them for electricity, you save 30% more than if you sell your power.

What if the power goes out?

With standard solar, if the utility system shuts down, so does the solar. This is for safety.

Mi-Grid can operate independent from the utility. During the day, a Mi-Grid system is disconnected from the utility. You won’t even notice an outage.

At night, Mi-Grid connects to utility power if the batteries are low. If the utility goes out, it automatically switches to the batteries. With the batteries low and the utility out, the generator automatically starts.

The Generator supplies power

and recharges the batteries. Once the batteries are charged, the generator shuts off. On a stormy day, with the utility out and no sun, the generator may cycle several times.



How is Mi-Grid compared to a generator?

Without solar, Mi-Grid can reduce fuel consumption by 50%. It does this by running the Generator at a higher load for a shorter time. Add in the solar panels and Mi-Grid may use no fuel at all. It averages out to a *90% reduction in fuel and run time.*

Plus, backup generators come on after the power goes out.

Mi-Grid keeps the power on. Never lose power.

Mi-Grid:

Reliable Renewable Energy

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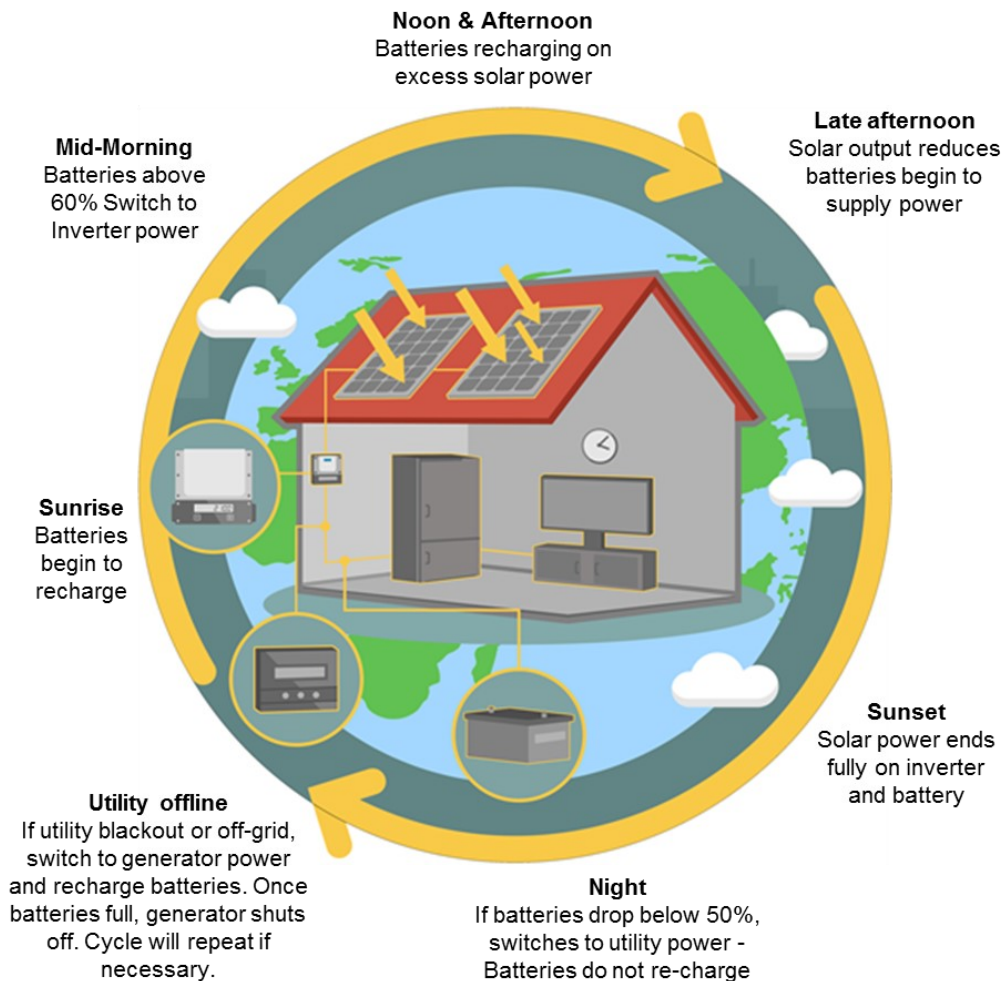


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