We love hearing from you, our DrewCabry customers. Please contact us about anything at all. Your latest passion, unique health experience or request for a specific product. We'll do everything we can to help you with your need. Reach us at :

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DREWCABRY SOLUTIONS

Simple Approach to Life's Equations

Switch to CLEAN, RENEWABLE ENERGY for your home and business.

Turn FREE ENERGY into savings and help the environment.

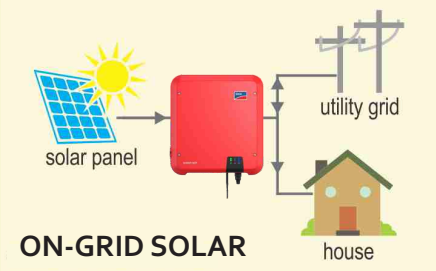
DrewCabry Solutions aims to provide its customers simple, practical and smart solutions to daily concerns in life.

Know more about your options for renewable energy solutions that can help your home and business.

On-Grid vs Off-Grid Solar

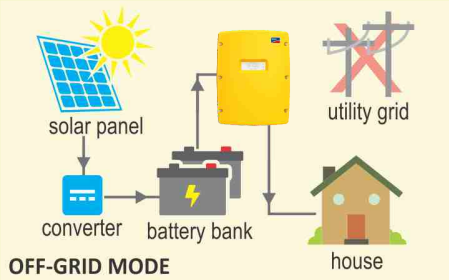
ON-GRID SOLAR

On-grid Systems are simplest and most cost effective to install if you target on reducing your electric bill. This set-up is recommended for businesses that require a considerably huge amount of electric energy. Net metering is also possible with On-grid Systems. Net metering enables the owner to sell excess electricity back to the utility provider for added savings.



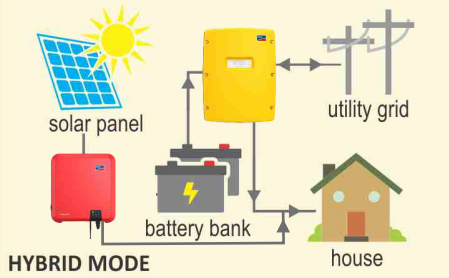
OFF-GRID

Off-grid setup allows you to store excess solar energy to power up critical load during power outages. System cost is quite higher than On-grid setup due to additional battery storage. This is best used in businesses that have critical load to operate 24/7.



HYBRID SOLAR

Hybrid Solar setup is a combination of On-grid and Off-grid solar setup. It will power up critical load during power outages and export excess power to grid utility if the battery is full. Cost is much higher than Off-grid with additional Ongrid-setup. This is best used in businesses that require critical load to operate 24/7 and still save on electricity.



Sizing the solar array and the batteries required is complex. Detailed analysis of your requirements will be needed to provide for your minimal critical needs. You'll also need to rewire your main electrical panel to isolate the "critical loads" so that only those are provided power in an outage. This means that your well pump, refrigerator and a few lights are provided power while your air conditioners and TV and other non-essential loads are not.

This is definitely more complex to install as well. There are dangerous components, mostly dealing with high amp batteries so caution needs to be exercised. Also, batteries are expensive, require ongoing maintenance and periodic replacement.

Given the additional specialized equipment required and the fact that it requires come complex installation, expect an off-grid system to cost four (4) times as much to install per watt and to require ongoing maintenance outlays.

Cases and Solutions

Problem
Solar panels are only utilized when aircon are working.
Improvement
Included an on-grid setup so that the solar panels are not exclusive to the airconditioning units.

Problem
Solar pump only operate during sunny day and high electricity bill
Improvement
Hybrid setup for solar pump to operate 24 hours and on-grid setup to reduce electricity bill

Problem
Internet connection is interrupted during brownout
Improvement
Implemented off-grid setup to provide power even during brownout or calamity

Problem
Expensive cost of irrigation using diesel powered pump
Improvement
Provided mobile off-grid setup to replace diesel powered pump. This set-up may also be used to power up the home when farm irrigation is over.