



Green Solution

OneraSystems is adding another innovative solar solution for your home.

After introducing the successful model of the **SolGuard™**, OneraSystems is presenting the **SolCool™**.

It opens new horizons for the use of Solar Energy in your home providing a unique turnkey system to meet all your energy needs.

SolCool™ does not only act as a backup solution for public electrical grid failures, but it grants the luxury of adjusting the room temperature.

While **SolCool™** is designed as a model that provides a source to reserve electric power; **SolCool™** is designed as a luxurious model that includes a Combo of the latest technologies for energy generation, preservation together with the newest technologies in Air-conditioning.

Simply, **SolCool™** will provide a solution for overcoming electrical blackouts while maintaining the required room temperature.

This system ensures that you can enjoy your air conditioned home or medium size office, without power outages, in addition to saving your electricity consumption from public network.

SolCool™ will help eliminate unwanted diesel generator noise as well as high costs. The system works by generating sufficient electricity directly on the internal network of the house and takes advantage of the power stored on batteries to meet all the needs of your home accommodating the excessive power required to operate air-conditions.

SolCool™ is a flexible system that is easy to install and maintain.

SolCool™ will reduce your Electrical monthly bill with at least 60%, while it will reduce your Operation Cost and spare parts with 40%.

SolCool™

Operation

SolCool™ PV Solar System is designed to bridge power cutoffs and provide seamless power supply to homes.

Not only this, but **SolCool™** will also sustain power supply during day time at ZERO grid consumption by automatically replacing it with Solar Energy, thus, allowing for free-of-charge electricity, and saving vital equipment from sudden power loss.

While every unit you operate relying on Power generation and backup solutions consumes a variable KW Power from stored energy, Air-Conditions are considered to be the monster of energy utilization.

If the system is designed to light a room for four hours during public grid failures, switching on an Air-Condition will absorb three quarters of the stored energy enabling the user to enjoy either a one hour of air-conditioned facility or four hours of non air-conditioned luxury.

SolCool™ relies on abundant natural resources to function, sun and natural gas.

The sun acts as the fuel to generate energy, while the natural gas will be the fuel to operate the modified generation of Air-Conditions.

Worries about providing the fuel to operate a system will vanish, no cues to obtain a sun ray, and no cost as well.

SolCool™ is featured by complete noiseless operation with zero emissions that complements natural tranquility at home. yet, **SolCool™** will save quality time where few seconds of power cutoff would cost more than 100 electricity bills. While Freon gas used in traditional Air- Conditions may not be appropriate for migraine patients, the technology used in **SolCool™** Air- conditions uses the air circulation to pass through either cold or warm units within the Air- Condition offering the required temperature. Accordingly, migraine and azma patients will avoid side effects.

SolCool™ provides remote monitoring of system performance by means of software powered equipment, whereby system output and information can be monitored using PC, cell phone, or iPod. SolCool™ is also equipped with optional "smart" controller that regulates loads to match system output.

SolCool™ consists of World-class quality PV solar modules which generate electricity, batteries to store energy, Grid Inverter with Backup Inverter to regulate voltage and protect batteries while charging and discharging, also, transform DC to conventional AC for operation of home appliances and equipment. All this merged with an enhanced technology for the modern generation of Air-Contions.

SolCool™ operates in a smart exquisite manner. During daytime, PV solar modules transfer sunlight into electricity which goes directly to home local grid to operate home appliances. If home load is larger than PV modules power, smart inverters compensate the difference from the grid, otherwise, excess power from PV modules goes directly to batteries for recharging. In the occasion of grid power cutoff during daytime, PV modules electricity goes directly to home local grid to operate home appliances, however, if home load is larger than PV modules power, the difference is compensated from the charged batteries, otherwise, the excess from PV modules goes directly to batteries for recharging.

In the occasion of grid power cutoff during nightttime, smart inverters, allows batteries to provide home with necessary power for a sufficient time, until grid power is back. At this instant, smart inverters exchange batteries power with gird power, and allow the grid to recharge batteries to be ready for future use.

You will not have to worry about the amount of stored enegy used when you turn on your Air-Condition, just press the Air-Condition's remote control power on button and enjoy the luxury of Technology.

SolCool™ is a "Fix-n-Forget" system that is virtually free of maintenance charges and onerous refueling hassle required for fossil fuel generators.



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