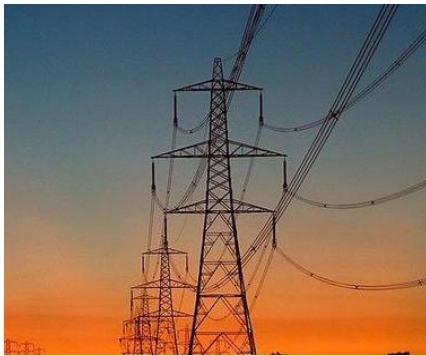


# Apollo EnerPOD™

An Alternative, Non-Fossil Fuel  
Consuming “Micro Power Plant”  
Producing Electrical Power, Air  
Conditioning, Heating and Hot Water

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## Introduction

The impetus for developing **EnerPOD™** was to focus on and provide an independent means by which electrical power could be generated WITHOUT fossil fuel consumption, pollutants/emissions and be non-dependent on naturally occurring yet inconsistent energy sources such as sun and wind.

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## Concept

This technology, "**EnerPOD™**" could be independent of "power grid" electrical consumption but would allow for "feed-back" of power into the grid when excess power is created.

**ALL** residential homes, mobile military or humanitarian hospitals, remote outposts and/or 3<sup>rd</sup> World applications can utilize the **EnerPOD™** technology.

With the inclusion of an inherent solar array (or wind if so chosen) **EnerPOD™ becomes 100% independent and is stand-a-lone in its ability to generate and deliver electrical power.**

**A secondary major benefit of EnerPOD™ ... beyond independent power generation... is that through its power generation process, *it automatically and concurrently develops three major auxiliary by-product services that would otherwise consume large amounts of power, but that are now delivered at no-cost to the home:***

### **Air Conditioning - Heating - Hot Water**

These major by-product benefits can be delivered into the home through the home's existing indoor forced-air furnace or fan-coil unit and hot water heater system... or new ones can be installed... either way will work. The current technology equipment (*A/C condensers and fossil fuel-consuming furnaces and hot water heaters*) are eliminated from general use.) They can remain in place as stand-by equipment or be completely removed.

*In essence, EnerPOD™ becomes a "micro power plant" for each home or facility... generating power (electricity), delivering home cooling & heating and providing heated water for potable uses such as bathing and cooking.*

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## Process

The **EnerPOD™** Technology is compact....approximate size is 5'L x 3'W x 3'H and contains all of the core components: chemical vessel, chemical solution, battery array, pumps, coils/heat exchangers, mechanical drive and generator assembly, micro-processor, etc.

**EnerPOD™** is placed adjacent to the home or facility much like a small air conditioning unit and is then connected to the home's electrical service "feed". Piping connections are available on **EnerPOD™** to feed the home's forced-air unit that will deliver heating and cooling service as well as into the hot water service is so opted.

**EnerPOD™** runs at "full demand" continuously under control of an on-board micro-processor and excess "un-used" electricity is routed into the connected utility power grid. Its internal battery array is continuously charged, and excess power can be "shunted" if no power grid is available. Power capacity is rated 5kW up to 10kW based on unit size. A closed-loop system design ensures no atmospheric emissions nor does the system contain volatile (combustive), corrosive or intrinsically dangerous compounds.

The technology requires periodic maintenance, the overall frequency of which is environment-dependent is projected at quarterly annual intervals (once every three months).

[See Apollo Power Solutions' other Unitary Products as well for additional applications: "HortiPOD™" & "EnerPOD™"]

"HygroPOD™", "HortiPOD™" & "EnerPOD™" are Trademark Proprietary Properties of Apollo Power Solutions, Inc.

