



Hybrid Solar Assisted HVAC Systems

Green Energy Services Hybrid Solar Assisted HVAC Systems (SHVAC) are helping commercial, hospitality, educational, retail, office, and multi-family residential customers take advantage of cost-effective, energy usage optimization technology solutions for HVAC applications. SHVAC is a comprehensive hybrid HVAC system that can easily be installed with minimal interruption to daily operations. No other HVAC system will lower your energy bill as much as SHVAC, all while reducing energy consumption by providing a cost-effective, no hassle solution that is environmentally friendly.

Hybrid Solar Assisted HVAC Systems Reduce Costs Up To 70%

ECOMISER ECO-SHVAC: Green Energy Services Hybrid Solar Assisted Air Conditioning SHVAC product line offers Solarized Air HVAC systems that reduce the HVAC electrical load by up to 70%. The Solarized Air Solar Thermal Assisted HVAC system for Trane and Nordyne units combines state-of-the-art high-efficiency 2-stage air conditioning system integrated with a Proprietary Solar Thermal Collector Panel, creating the most energy-efficient Air Conditioning System available today! The key element is the integrated Solar Thermal Collector super heating the air conditioning system's refrigerant, which in turn reduces the required work load of the compressor. SHVAC significantly lowers the overall power consumption of the system thus reducing the money spent on energy, reduces CO2 emissions and has fewer moving parts with lower maintenance costs. Sedna Aire International accomplishes this utilizing OEM air conditioning equipment manufactured by established industry leading manufacturers like Trane and Westinghouse to name a few. The SHVAC product line comes with a 10 year warranty and is AHRI, Energy Star and UL certified.



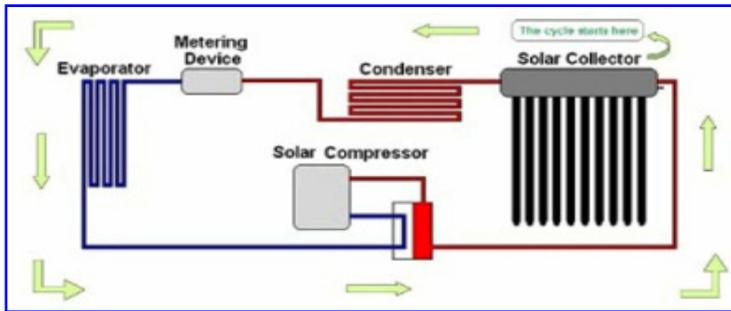
Package Characteristics

- Easy and safe to install, operate and maintain
- Lowers HVAC energy consumption up to 70%.
- Federal ITC/MACRS Tax Benefits Reduce Cost 70%
- Reduces maintenance costs

Energy Savings



GES SHVAC is helping a wide variety of facilities reduce their energy consumption, by deploying a cost effective retrofit solution designed specifically for old and new facilities. Reduced HVAC energy costs up to 70% with paybacks less than 24 months can be realized using SHVAC depending on utility rates and type of HVAC system. SHVAC not only reduces energy costs but also has a positive environmental impact.



The system compressor operates as normal during night hours when there is no solar energy source. On cloudy or rainy days there is still sufficient radiant power because the solar panel is collecting radiation and does not necessarily need direct sun light. Even when it is 0°F outside SHVAC still generates 300°F plus temperatures in the solar collector which is sufficient for the hybrid solar technology HVAC to operate efficiently. If everything fails and there is no energy available from the sun you will still have 100% air conditioning and heating at normal SEER. Any and all of the energy that is provided by the sun and the solar collector is energy that you don't have to pay for. With a solar air conditioner the hotter it is the more efficient it is which is just the opposite of a conventional air conditioner.

