

Easy-To-Install Solar “Pods”

The “Solar Pod” system is designed to make the use of solar power easy. Completely self-contained multiple pods can be set up in series to produce as much energy as desired. Just plug them into each other. Designer and manufacturer Mouli Vaidyanathan says the units cost 30 to 70 percent less than comparable output panels.

“Standard solar arrays cost more because they are individually designed and installed,” he says. “Our system comes complete with panels, inverters, a wiring harness and a custom mounting rack. It also performs 15 to 20 percent better than other systems.”

The 4-panel Solar Pod systems require a 14 by 6-ft. ground space. They also can be mounted to a roof with a new mounting system for gabled roofs that hangs over the roof peak. “Our new design will reduce roof penetrations by 80 to 90 percent and, in some cases, eliminate them completely.”

Solar Pod systems are available for direct connection to the electrical grid or for off-grid installation. Although units are relatively simple to assemble, Vaidyanathan says an electrician may be required to connect the socket and wiring to the home’s circuit box.

If a 240/20A outlet is available, installation is even easier. The local power company needs to provide a 2-way meter if excess power is to be sold back to the company.

Solar Pods for grid connection are priced at about \$2,300 to \$2,800 each. Off grid, stand-alone systems with batteries are priced at \$4,500 to \$10,000 each. Each 4-panel unit can generate from 1,200 kWh to 2,000 kWh a year depending on available sun.

“A Solar Pod in Minnesota can produce around 1,300 kWh a year, while one in Arizona will produce around 2,000 kWh,” he says. “Depending on the cost of local electricity, you can save \$200 to \$300 each year for a payback of 8 to 10 years.”

Vaidyanathan points out that solar tax credits reduce the cost by 30 percent. Farms and other businesses can claim additional credits that reduce payback even more.

Vaidyanathan suggests visiting his website or calling him to discuss installation needs. He offers a 25-year warranty and suggests maintenance is very limited.

“I’ve had mine installed for 4 years, and the only maintenance has been looking at it,” says Vaidyanathan.



Self-contained “Solar Pods” simply plug together in series to produce as much energy as needed, or to expand the system later.



No roof penetration (SolarPod™ Crown) solar system. Installs on all roof materials - shingle, metal, tile and wood.

“UL Listing on Solar Pod was obtained and will help in faster processing of permit and inspection processes.”

Contact: FARM SHOW Followup, Mouli Engineering, Inc., 655 Lexie Court, Eagan, Minn. 55123 (ph 612 424-5176; mouli@mouliengg.com; www.mysolarpod.com).

Reader Inquiry No. 04



During tests on a pair of Deere 7750 tractors, one tractor’s air filter was cleaned once a day. Nearly 5 lbs. of dirt was removed daily and the tractor used 58 gal. less fuel per day than the tractor with the dirty filter.

The Original Air Filter Blaster With Its “One Day Payback” Technology

The Air Filter Blaster uses low pressure and constant motion to safely, effectively, and efficiently clean canister style air filters.

“The Air Filter Blaster is designed to clean dirt from any canister-type air filter,” says Dennis Grieve, Salmon River Innovations, Inc president. “It lets you use your air compressor to safely blow dust out of the filter. It’s not intended to permanently replace the purchase of new air filters. It’ll just make them last as much as 20 times longer.”

The portable unit comes with a stepped cone-shaped lid that pressurizes the filter from the inside out. To clean a filter, you

hook up a compressor to the supplied ball valve and open the valve. The pressurized air creates a vortex inside the rotor head which causes high-speed rotation of the head. As the head rotates inside the filter element, air is directed out of 4 specifically designed directional air jackets cleaning the filter from the very bottom to the very top of the filter in a matter of seconds.

“It has just has one moving part and since that part uses air ride bearing technology, it should last a lifetime,” says Grieve.

“The true science is by design, the filter can be cleaned several times due to the fact that at no time will more than 40-48 PSI be

applied to the element. It works a lot better than damaging the filter by banging it on the ground or holding an air nozzle 1/4-in. away from the filter with high pressure, which can tear the element.”

The Air Filter Blaster portable unit sells for \$349 plus S&H and comes with a 6-in. rotor head standard - 3, 4 1/2 and 9-in. rotor heads are also available to fit almost any filter on the market and sell for \$59 each.

Contact: FARM SHOW Followup, Salmon River Innovations, Inc., P.O. Box 7966, Spencer, Iowa 51301 (ph 855-341-4677; or 712-580-4210; info@airfilterblaster.com; www.airfilterblaster.com).

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