

# SWIMMING POOL & WATER FEATURE PUMPS



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## Eliminate 20% of Energy Cost Related to Swimming Pool and Water Pumps



Solar Pool Pumping is one of the most cost-effective and logical uses of solar energy. Using only a few solar collectors, the DC pool pump has enough electricity to run all day using free green electricity from the sun. Solar pool pumping systems eliminate the usual need for controls, and are naturally sun-synchronous.

Swimming pool cleaning usually accounts for the second largest and most expensive electrical load (after air conditioning) on a home's electrical system. Solar powered water pumping systems can completely remove that monthly recurring draw and expense. A solar pump is practical because the need for filtration is greatest during daylight hours, and the pool circulation requirements correspond with solar intensity.

Solar photovoltaic modules produce electricity which is used directly by a high-efficiency DC pump motor custom coupled to a standard above ground centrifugal water pump. This system is generally capable of circulating in excess of 25,000 gallons of water per day at a rate of up to 4,000 gallons per hour.

An existing AC pump can serve as a backup to the solar pump or to supply additional flow on cloudy days. The solar pump can also be supplied with an AC to DC converter if there is still a need to run the pump at night, or simply set the AC pump timer to turn on the AC pump. An optional pole mounting system can also be supplied by APS for applications where the roof will not support optimal solar orientation or for those customers requiring a non-roof mounted system.



### Applications:

Swimming Pool Water Circulation  
Pond Management  
Irrigation  
Aquariums  
Fountains



## Overview

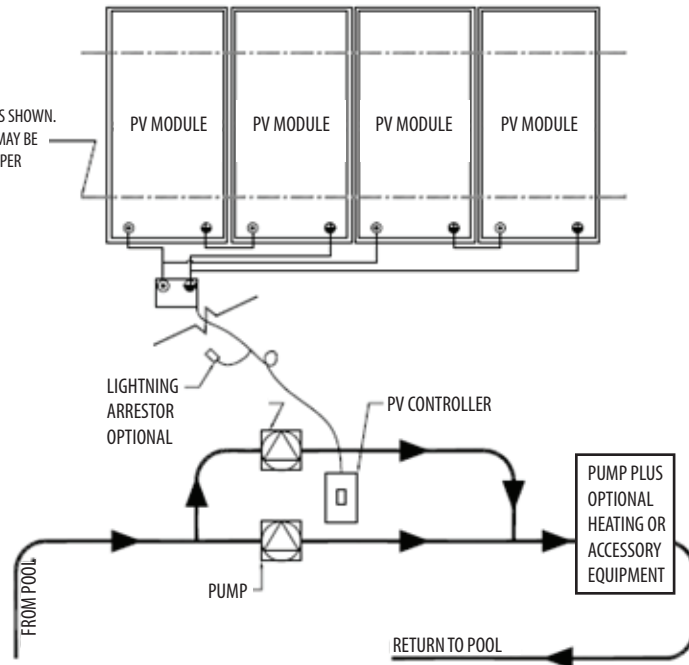
- Solar Surface Centrifugal Pump for Water Circulation
- Flow Rate up to 4,000 US-Gal./Hr
- Maintenance-Free, Brushless DC Motor
- High Reliability and Life Expectancy
- 2 Year Warranty on Pump Standard, 5 Year Warranty Available
- Cost-Efficient Pumping
- Extremely Quiet Operation
- 25 Year Warranty on Solar PV Panels

## Key Benefits

- \$0 energy cost to filter the pool water
- Saves a Homeowner on average \$850 annually
- The system pays for itself in a relatively short period of time
- Sealed engineering available
- Operates from sun up to sunset
- Works equally well in new construction or an existing system
- Works well with most solar-thermal, gas and electric pool heaters
- Works well with most pool water treatment/filter media systems
- Solar pump motor Life 8-10 years (double the life of a regular pool pump)
- No batteries or charge controller
- **Eligible for an unlimited 30% Federal Tax Credit\***

TYPICAL SYSTEM DIAGRAM  
4 MODULES IN 2 ARRAYS PARALELL

QUICK MOUNT DETAILS SHOWN.  
UNISTRUT OR EQUAL MAY BE  
SUBSTITUTED. INSTALL PER  
OEIM INST RUCTIONS



**Call Now For A FREE Solar Design Consultation**