

## SOLAR SOLUTION



### **Industrial Strength Solar Units**

**The power to operate up to a 2HP (3 phase) unit**

Capitalize on the unbeatable strength of Kasco products driven by the sun. This smart technology is easy to use and more powerful than anything on the market. Whether your application resides in a remote location, or you're looking to make an impact on the environment, Kasco now offers a solar solution. Designed for use in applications spanning from farm ponds to harsh industrial environments, the Kasco Solar Solution is dependable and requires minimal maintenance. These patented controllers are available in solar only and solar + grid blender options. They are an all-in-one inverter and Variable Frequency Drive with maximum power point tracking designed to utilize the most solar power available.

## Additional Benefits of the Solar Solution

- Soft start function to maximize runtime and extend available solar hours
- Status LEDs to indicate operating status and fault conditions
- Easily add additional solar panels to increase performance and extend daily run time from solar
- GFCI motor protection

**Solar Only Controller:** Operate a unit at variable speed to maximize the energy from the sun. In partial sun light (morning and afternoon) the unit will run at reduced speed, as to not shut off completely, extending the daily run time.

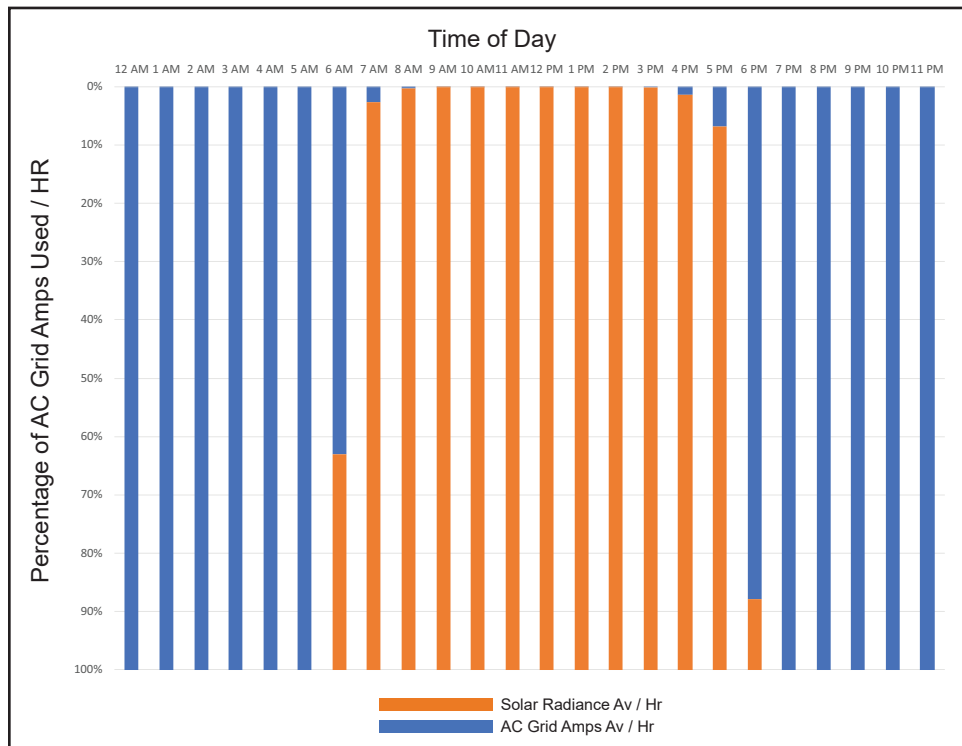
**Blender Controller:** Combine the solar only controller capabilities with grid power to save energy costs and allow for full speed, 24/7 operation.

Kasco Solar Solution offers performance unlike any other system on the market. Using solar power only, watch the unit variation on a partly cloudy day at [kascomarine.com/solar](http://kascomarine.com/solar).

Solar tax credits may be available at a state and federal level.

## AC Grid Amps vs. Solar Radiance

The following graph shows a 2HP Kasco aerator with the solar blender option. When the sun is down, grid power keeps the unit running at full capacity. As the sun rises, you will notice the grid power diminishing and solar power taking its place. During time of cloud coverage, grid power will give the unit the extra boost it needs to stay functioning at full capacity. Results below were taken in March in Wisconsin.



Solar controllers will operate Kasco 50Hz / 60Hz, 1/2 - 2HP units (2HP units must be 3 phase) and single compressor diffuser systems.

## Warranty

**Unit:** 2 or 3 year (unit dependent)

**Controller:** 1 year

**Solar Panels:** 10 year



**Kasco**<sup>®</sup>

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