

Get the most out of  
your solar investment.



Optimize your system. And maximize your return.

SolarMagic™ power optimizers are the perfect solution to the real world problems facing home or business solar system owners. Whether you have been rejected for solar because of shading conditions such as trees, chimneys or other obstructions, or are simply failing to achieve the full potential of your investment, SolarMagic power optimizers can accelerate your return on investment by maximizing your system's efficiency.



Just a small amount of this interference, known as “mismatch”, can cut the power output of the entire solar array in half. SolarMagic technology enables each solar panel to produce maximum energy regardless of whether other panels are under-performing due to mismatch. This advanced technology monitors and maximizes the energy harvest of each individual solar panel and reclaims up to 57% of energy lost to real world mismatch conditions. To maximize your efficiency output and your investment return, insist on having SolarMagic power optimizers installed on your solar array system.



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**Get the most out of your solar system— even in shaded conditions.**

When it comes to solar energy, the power of the solar array is only as strong as the weakest-performing panel. And in real world conditions, where shade is common from sources like trees, chimneys, power lines and even bird droppings, solar efficiency can be decreased significantly. In fact, as little as 10% shade can result in as much as 50% lost power.



SolarMagic power optimizers maximize the energy potential of each individual panel so as much as 50% of the lost energy can be reclaimed.

You don't have to be living in the desert to have an efficient solar system installed. SolarMagic power optimizers can help make solar a reality by maximizing the solar energy harvest and increasing kilowatt hours when real world conditions exist.

**Going solar means going green.**

Because real world conditions can interfere with solar power efficiency, many home owners are disappointed to learn they need to cut down trees in order to get the most from their investment. With SolarMagic power optimizers, you can install a solar array with partial shade, without disturbing the natural beauty of neighboring trees.

**Make sure you're getting the greatest return on your solar investment.**

SolarMagic power optimizers maximize your solar panel efficiency and actually increase the kilowatt hours of energy produced. That means you'll start saving money on your utility bills immediately— and your system will pay for itself in a shorter time period.



**20-Year Warranty**

All SolarMagic power optimizers come with a limited 20-year warranty, ensuring the reliability of the panel-mounted electronics matches the panels themselves.

**Physical Specifications:**

Body Dimension	Weight
5.26" x 4.24" x 1.84"	2.3 lbs
(10.8 x 13.4 x 4.7 cm)	(0.9 kg)

**Key Features**

- Reclaim up to 57% of the energy lost from real world conditions
- Increase energy efficiency and reduce environmental impact
- Enjoy a faster return on your solar investment

**At-a-glance real world effects on your solar array system:**



Shading dramatically reduces the energy produced from a solar array, prevents or limits new solar installations, and can force owners to cut down their trees.



Architectural obstructions, like chimneys and dormer windows, can force installers to limit the size and efficiency of the system.



Shade from intermittent clouds can reduce system efficiency.



Dirt and debris on solar panels eventually happens to every system, resulting in less-than-ideal energy output.

**Installing SolarMagic power optimizers can reclaim up to 57% of the energy lost to these real world conditions.**



Visit [www.solarmagic.com](http://www.solarmagic.com) for complete details, including finding an authorized dealer in your area.