



CLAYMORESM

The Power of Solar

Why investors should care about
this emerging industry



The Future Is Now

Abundant and waste-free, solar power has long been a dream of environmentalists. For years it was a great idea in theory, but always just out of reach in the real world.

Not anymore. Solar energy's time has come.



Governments, businesses and individuals searching for a cost-effective, environmentally friendly source of power have increasingly been finding it in the skies above.



And investors, too. This renewable energy source is receiving more and more attention from Wall Street. As interest in the industry has skyrocketed over the past few years, solar stocks have performed well — despite some significant bouts of volatility. Of course there is no guarantee that past performance will continue.



Analysts expect demand for solar energy to stay robust and its price to gradually become more competitive. If you're comfortable with the risk that comes with investing in a rapidly emerging growth industry, solar stocks may be worth a careful look for your portfolio.

Types of solar power

Solar energy comes in two main varieties:

Solar PV (solar photovoltaic power) uses the photovoltaic process to convert sunlight into electricity. The conversion from sunlight to solar produces no waste byproducts. Solar PV can be equipped for use in homes and can help reduce or eliminate reliance on traditional energy sources.

Thermal solar power generates electricity by using the sun's energy to heat fluids for water and space heating. The most common use of this technology is through concentrating solar power (CSP) systems. These large-scale utility systems use mirrors to concentrate the sun's rays. Currently, this technology is less expensive than other sources of solar power.

WHAT'S DRIVING SOLAR'S GROWTH?

Alternative energy is “the largest economic opportunity of the 21st century,”¹ says famed venture capitalist John Doerr.

He's not alone, if the research dollars flowing into solar energy companies are any guide. The solar industry has grown-up enough to attract sizeable attention, not just from venture capitalists, but from individual investors, too, who are noticing the powerful forces driving solar companies.

WHAT TRENDS? HERE ARE 5 OF THE BIGGEST:

1 “Green” is in.

Environmentalism is now mainstream. Worries about global climate change have transformed government policies and individual commitment to carbon-free renewable energy sources, such as solar power.

2 Falling costs

Solar PV power now costs about \$0.25/kilowatt-hour on average, more than coal, nuclear or natural gas. But solar is already competitive with retail electricity prices in Japan and other high-priced markets.²

And prices are widely expected to come down even further, thanks to huge amounts of investment capital, rapidly improving technology and increased supplies. At a recent conference in Germany, the consensus among industry observers was that solar PV pricing could reach parity with traditional electrical grid pricing as soon as 2010.³

3 Soaring energy demand.

Worldwide demand for energy has skyrocketed, and so have fossil fuel prices. When you factor in the environmental impact of fossil fuels, the case for renewable energy such as solar power becomes even more compelling.

The International Energy Agency projects that the equivalent of 9,400 medium-sized 500-megawatt power plants will be built between 2001 and 2030. It also

estimates that one-third of the world's aging power-generation capacity will need to be replaced.⁴

As environmental regulations increase and renewable-energy costs decline, the sun promises to be an increasingly important source of energy for a power-hungry world.

4 Favorable public policies.

Governments around the world—currently led by Germany and Japan, two pioneers in promoting solar power—are actively subsidizing and nurturing solar and other renewable energy sources.

The United States has gotten into the act as well, with most of the incentives being driven from the bottom up at the state level. For its part, Congress is considering legislation to shift billions of dollars in subsidies from oil companies into alternative energy sources—including solar energy—and would continue an existing tax credit for solar energy due to expire at the end of 2008.⁵

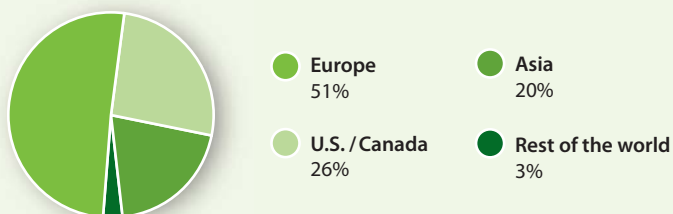
5 Following the money.

Professional investors are making big investments in solar energy. According to Greentech Media Research, venture capital investment in solar energy companies was more than \$1 billion in 2007, up more than six-fold over 2005⁶ levels. Interest in the industry has shown no signs of slowing down according to analysts.

U.S. AND ASIA PLAYING CATCH-UP IN SOLAR RACE

Thanks to favorable public policies, more than half of the world's solar PV demand is projected to come from Europe. That leaves significant room for growth in the United States, Asia and the rest of the world.

REGIONAL SOLAR PV DEMAND SHARE IN 2010



Source: “PV Market Demand through 2010,” PV News, Prometheus Institute, July 2007, pp. 5–7

¹ Darren McDermott, “From Google to . . . Hog Poop?” Environmental Capital blog, WSJ.com, March 13, 2008.

² Richard W. Asplund, *Profiting from Clean Energy* (2008), p. 99.

³ “Sector Snap: Trina Leads Solar Higher,” *Houston Chronicle*, April 2, 2008.


⁴ Asplund, p. 88.

⁵ Asplund, p. 92.

⁶ “New Solar ETFs: Here Come the Suns,” *SeekingAlpha.com*, 3/31/08

SOLAR ENERGY'S POSITIVE BALANCE SHEET

What makes solar energy's advocates so passionate? It offers a wide variety of benefits with only a handful of drawbacks—drawbacks that extensive research and development (“R&D”) efforts are underway to overcome.

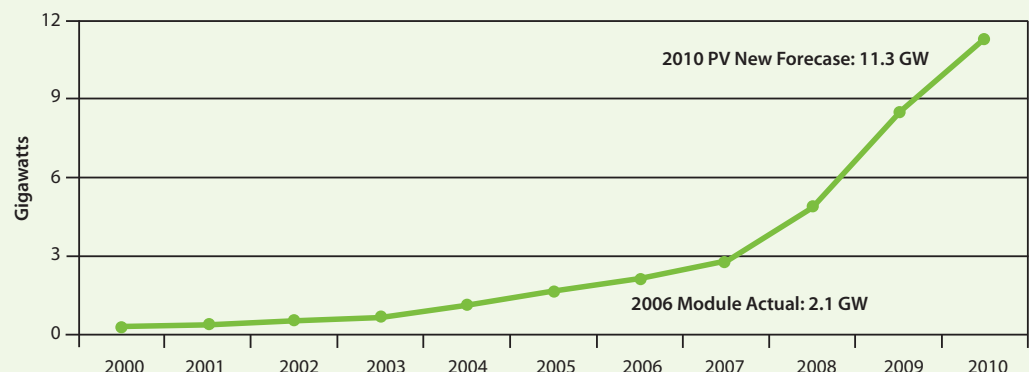
PROs	CONs
Solar PV power is carbon-neutral and the conversion from sunlight to solar produces no greenhouse gas emissions.	Solar energy is currently relatively expensive and generally depends on government incentives to be financially competitive—although, according to experts, that's changing fast as supplies increase.
Solar energy satisfies governments' alternative energy requirements.	Because solar energy is available only during the day, users may need an alternate power system to supplement stored solar energy for night time use.
Energy provided by the sun is plentiful and free.	Currently, solar energy requires a large up-front cash investment—although financing is becoming more prevalent as supplies increase.
Individuals who outfit their homes for solar energy can reduce their reliance on aging electrical grids. In addition, some individual users can even resell their electricity back to the grid or purchase adapters to use stored solar energy at night.	Outfitting a home or business for solar energy is more complicated and time-consuming than traditional grid-based electric service.
The price of solar energy has fallen over time and is already competitive with retail electricity prices in certain markets (e.g., Japan).	Currently, the cost of solar electricity is less competitive in most parts of the world.
Solar-energy-generation equipment can last for 25 to 30 years, essentially allowing users to “prepay” their electricity bill for decades.	
Solar energy helps enable energy independence, instead of dependence on foreign sources of oil in politically challenging regions.	
Solar power is available even on cloudy days and in northern climates.	
Because it is produced during the daytime, businesses and individuals can rely on solar energy at peak hours, when traditional electricity is most expensive.	
As R&D increases and technologies improve, supply should increase and the cost to supply solar power should continue to decrease.	

RISING SOLAR ENERGY SUPPLIES

Supply constraints have led to a temporary increase in the price of solar PV equipment. But supply is widely expected to grow to keep up with exploding demand—meaning potentially more competitive prices.

Source: “Supply and Demand Reconciliation,” *PV News*, Prometheus Institute, August 2007, pp. 7–8, Prometheus Institute, Cambridge MA, <http://www.prometheus.org/>

GLOBAL SOLAR PV MODULE PRODUCTION FORECAST



The landscape for investors

The world—and increasingly the United States—is beginning to embrace solar energy, and we're in the earliest stages of this embrace.

As supplies increase and costs come down, interest from consumers and businesses is likely to grow even more.

SOLAR GROWTH OPPORTUNITIES.

In just one day, enough sunlight hits the earth to meet the world's energy needs for 27 years, according to the U.S. National Renewable Energy Laboratory.⁷ Yet despite that potential, less than 0.1% of the world's energy needs are being met by solar energy today.⁸

That will change, if the solar industry—which grew at a 46% annual pace between 2001 and 2006 and whose size is expected to quintuple between 2006 and 2010—has its way.⁹

Gains followed by volatility

Solar stocks saw tremendous gains in 2007, as Wall Street concluded that the industry was mature enough for sizeable investment. A significant stretch of volatility followed, however, as the stock prices of many companies retracted from their 2007 highs.

As with any emerging industry, investors should look for even more volatility ahead. But with the favorable long-term fundamental trends showing no signs of slowing down, professional and individual investors alike have made larger investments in solar power. Of course there is no guarantee that this trend will continue.

ETFs provide valuable diversification

Because the sector is still so early in its growth cycle, some solar companies will grow successfully, while others will invariably lag behind. Technology is changing rapidly, and the companies that may ultimately do best are likely to be the industry's largest—the ones that can afford to invest the most in R&D.

That's why it makes sense to invest in a variety of companies representing different parts of the solar energy business—so you don't rely too heavily on any single company or technology leading the way.

Because of their varied portfolios, exchange-traded funds (ETFs) can be a particularly helpful way to invest in a promising but still developing technology. A solar energy ETF may provide broad exposure to a variety of companies in a still-evolving industry whose future we can't yet predict.

In addition, investing in a global solar ETF provides investors with easy access to non-U.S. issuers—a significant portion of the industry. It can help spare investors from some of the expense and complexity of owning individual foreign stocks in their portfolio.

Go Green.
Get TAN.

In April 2008, Claymore launched the first solar ETF: Claymore/MAC Global Solar Energy Index ETF.

This Fund offers a global portfolio and access to approximately 25 varied solar securities by seeking to track the MAC Global Solar Energy Index.

To learn more visit www.claymore.com/TAN or talk to your financial representative.

⁷ U.S. Department of Energy, National Renewable Energy Laboratory, Renewable Resource Data Center, "RRDC Energy Tidbits," <http://rredc.nrel.gov/tidbits.html>.

⁸ International Energy Agency, "Renewables in Global Energy Supply: An IEA Fact Sheet," January 2007, http://www.iea.org/Textbase/publications/free_new_Desc.asp?PUBS.ID=1596

⁹ "23rd Annual Data Collection—Final," PV News, April 2007, p.8. PV News is published by Prometheus Institute, Cambridge MA, <http://www.prometheus.org/>.

DO SOLAR STOCKS MAKE SENSE FOR YOU? ASK YOUR FINANCIAL ADVISOR.

Despite the growth potential offered by this industry, there are also significant risks. Your advisor can help you decide whether solar energy companies have a place in your portfolio as well as the most appropriate way to gain exposure to this emerging industry.

Important Considerations.

Much of the content within this brochure was taken from *Profiting from Clean Energy, 2008*, written by Richard W. Asplund. Asplund is an officer of MAC Indexing, LLC, the Index Provider of the Claymore/MAC Global Solar Energy Index ETF. MAC Indexing, LLC receives a fee from the Fund for the use of its Index.

This document contains forward-looking statements about various solar trends and investing strategies. You are cautioned that such forward-looking statements are subject to significant business, economic and competitive uncertainties and actual results could be materially different. There are no guarantees associated with any forecast stated and these trends may change at any time. This material has been prepared using sources of information generally believed to be reliable. No representation can be made as to its accuracy.

Investors should consider the following risk factors and special considerations associated with investing in the Fund, which may cause you to lose money.

Investment Risk: An investment in the Fund is subject to investment risk, including the possible loss of the entire principal amount that you invest. **Equity Risk.** A principal risk of investing in the Fund is equity risk, which is the risk that the value of the securities held by the Fund will fall due to general market and economic conditions, perceptions regarding the industries in which the issuers of securities held by the Fund participate, or factors relating to specific companies in which the Fund invests. **Foreign Investment Risk:** The Fund's investments in non-U.S. issuers may involve unique risks compared to investing in securities of U.S. issuers, including, among others, greater market volatility than U.S. securities and less complete financial information. Adverse political, economic or social developments could undermine the value of the Fund's investments or prevent the Fund from realizing the full value of its investments. Financial reporting standards for companies based in foreign markets differ from those in the U.S. The value of the currency of the country in which the Fund has invested could decline relative to the value of the U.S. dollar. Emerging market countries are countries that major international financial institutions, such as the World Bank, generally consider to be less economically mature than developed nations. Investing in emerging market countries entails the risk that news and events unique to a country or region will affect those markets and their issuers. Countries with emerging markets may have relatively unstable governments, may present the risks of nationalization of businesses, restrictions on foreign ownership and prohibitions on the repatriation of assets. The economies of emerging markets countries also may be based on only a few industries, making them more vulnerable to a variety of risks. Emerging market investments may also be less liquid than securities trading in developed countries. **Emerging Markets Risk:** Investment in securities of issuers based in developing or "emerging market" countries entails all of the risks of investing in securities of non-U.S. issuers, as previously described, but to a heightened degree. **Solar Energy Industry Risk.** Prices of energy (including traditional sources of energy such as oil, gas, or electricity) or alternative energy may decline. The alternative energy industry can be significantly affected by obsolescence of existing technology, short product lifecycles, falling prices and profits, competition from new market entrants and general economic conditions. This industry can also be significantly affected by fluctuations in energy prices and supply and demand of alternative energy fuels, energy conservation, the success of exploration projects and tax and other government regulations and policies. Companies in this industry could be adversely affected by commodity price volatility, imposition of import controls, increased competition, depletion of resources, technological developments and labor relations. The solar energy industry has experienced an industry-wide shortage of polysilicon, which may place constraints on the revenue growth of solar energy companies and decrease such companies' productivity. Solar energy companies may not be able to secure an adequate and cost-effective supply of solar wafers, cells or reclaimable silicon. If government subsidies and economic incentives for solar power are reduced or eliminated, the demand for solar energy may decline and cause corresponding declines in the revenues and profits of solar energy companies. Existing regulations and policies, and changes to such regulations and policies, may present technical, regulatory and economic barriers to the purchase and use of solar power products, thus reducing demand for such products. If solar power technology is not suitable for widespread adoption, or sufficient demand for solar power products does not develop or takes long periods of time to develop, the revenues of solar power companies may decline. **Small and Medium-Sized Company Risk.** Investing in securities of small and medium-sized companies involves greater risk than is customarily associated with investing in more established companies. These companies' stocks may be more volatile and less liquid than those of more established companies. These stocks may have returns that vary, sometimes significantly, from the overall stock market. **Micro-Cap Company Risk.** Micro-cap stocks involve substantially greater risks of loss and price fluctuations because their earnings and revenues tend to be less predictable (and some companies may be experiencing significant losses), and their share prices tend to be more volatile and their markets less liquid than companies with larger market capitalizations. Micro-cap companies may be newly formed, less developed and there may be less available information about the company. **Non-Correlation Risk.** The Fund's return may not match the return of the Index for a number of reasons including, but not limited to, operating expenses not applicable to the Index and costs in buying and selling securities to reflect changes in the composition of the Index. Additionally, the Fund may not be fully invested at times, either as a result of cash flows into the Fund or reserves of cash held by the Fund to meet redemptions and expenses. If the Fund utilizes a sampling approach or futures or other derivative positions, its return may not correlate as well with the return on the Index, as would be the case if it purchased all of the stocks in the Index with the same weightings as the Index. **Replication Management Risk.** Unlike many investment companies, the Fund is not "actively" managed. Therefore, it would not necessarily sell a stock because the stock's issuer was in financial trouble unless that stock is removed from the Index. **Issuer-Specific Changes.** The value of an individual security or particular type of security can be more volatile than the market as a whole and can perform differently from the value of the market as a whole. The value of securities of smaller issuers can be more volatile than that of larger issuers. **Non-Diversified Fund Risk.** The Fund is considered non-diversified and can invest a greater portion of assets in securities of individual issuers than a diversified fund. As a result, changes in the market value of a single investment could cause greater fluctuations in share price than would occur in a diversified fund.

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NOT FDIC-INSURED • NOT BANK GUARANTEED • MAY LOSE VALUE

Investors should consider the investment objectives and policies, risk considerations, charges and ongoing expenses of the ETFs carefully before they invest. The prospectus contains this and other information relevant to an investment in the ETFs. Please read the prospectus carefully before you invest or send money. For this and more information, please contact a securities representative or Claymore Securities, Inc.



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