

Be Off The Grid.com

Commercial Solar System Investment

Initial Investment

Here is a typical example:

Total Project Size	50 Kilowatts AC
Total Installed Cost (\$7*/watt AC)	\$350,000
State Rebate (\$1.9/Watt AC)**	- \$95,000
Initial Cost	\$255,000
30% Federal Tax Credit	- \$76,500
Final Out-of Pocket Cost	\$178,500
*Cost of SES grid tie system plus \$1.50/watt for installation, taxes, permit fees, etc. **Varies state by state. California rebate currently \$1.90/Watt AC	

Cost Effectiveness

Depending on your specific need and location, there are a number of factors that affect cost effectiveness for your business, including:

- System Size

Larger systems can cost less per watt than small systems because of economies of scale.

- Installation Complexity

More complex installations, including mounting systems on racks, working around obstructions, such as pipes and HVAC equipment, and building-integrated custom installations can be more expensive.

- System Production

Installing your system at the optimal orientation and tilt will maximize system production. The more energy your system produces over time, the faster you will recoup your investment.

- Operation and Maintenance (O&M)

Compared to other distributed energy technologies, operation and maintenance costs of PV systems are relatively low. Costs may include occasional cleaning of PV modules, regular visual inspections and repair, and possible replacement of inverter and/or components.

How much can I expect to save?

If you are creating some of your own electricity, your electric bills will be lower each month. One major advantage of a solar power system is that it produces power during peak demand times, offsetting expensive power. It is almost impossible to give you an accurate estimate of financial savings, because it depends on the future price of electricity and your patterns of use.



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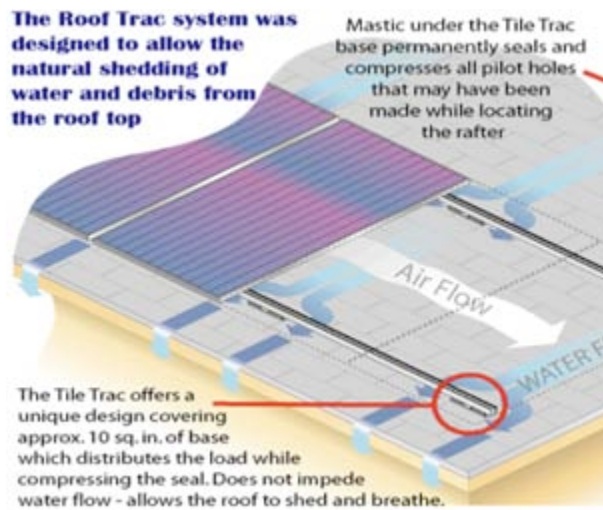
Commercial & Government Solar Power Systems

- New 30% Federal Grant for Commercial
- 30% Full Tax Credit for Residential and Commercial
- State Rebates Available
- Grants for Federal, Agricultural and GSA Buildings

SAMPLE SOLAR ELECTRIC SYSTEMS AND COSTS

Solar Electric Supply Flush-mount Systems						
System Size	30 kW	50 kW	75 kW	100 kW	150 kW	250 kW
System Area sq. ft.	2,308	3,846	5,769	7,692	11,538	19,231
Base Price	\$97,500	\$162,500	\$243,750	\$325,000	\$487,500	\$812,500

- Maximum use of sloped roof space for commercial and GSA public buildings
- Lightweight structure engineered to withstand 120 mph+ winds and 50 lb. snow load
- Available for standing seam metal roofs with no penetrations

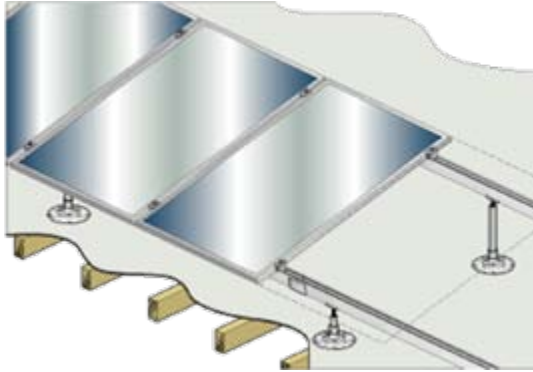


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OPTIONS AND POTENTIAL COSTS

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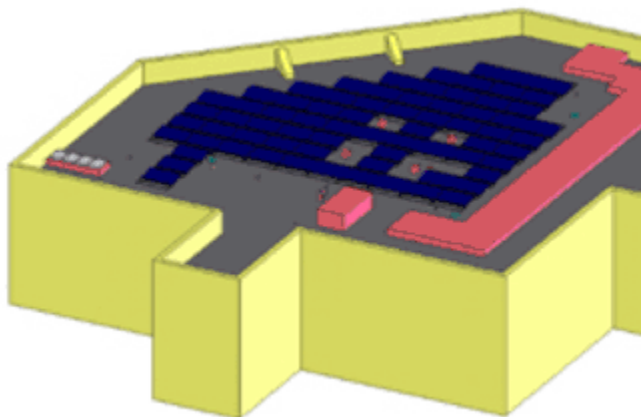
Solar Electric Supply Solar-wedge Systems						
System Size	30 kW	50 kW	75 kW	100 kW	150 kW	250 kW
System Area sq. ft.	3,488	5,814	8,721	11,628	17,442	29,070
Base Price	\$100,500	\$167,500	\$251,250	\$335,000	\$502,500	\$837,500

- Designed for flat roof industrial and government buildings
- Tilted array for optimum system performance available in 5, 10 and 15 degree tilt
- Easy access to roof reduces maintenance. Assumed tilt is 10 degrees at 40 degrees latitude



Solar Electric Supply Ballasted Systems						
System Size	30 kW	50 kW	75 kW	100 kW	150 kW	250 kW
System Area sq. ft.	3,488	5,814	8,721	11,628	17,442	29,070
Base Price	\$114,000	\$190,000	\$285,000	\$380,000	\$570,000	\$950,000

- Flat roof mounting system for commercial and Federal Government buildings
- Requires no roof penetrations, available without ballast also
- Designed for maximum strength and stability. Assumed tilt is 10 degrees at 40 degrees latitude



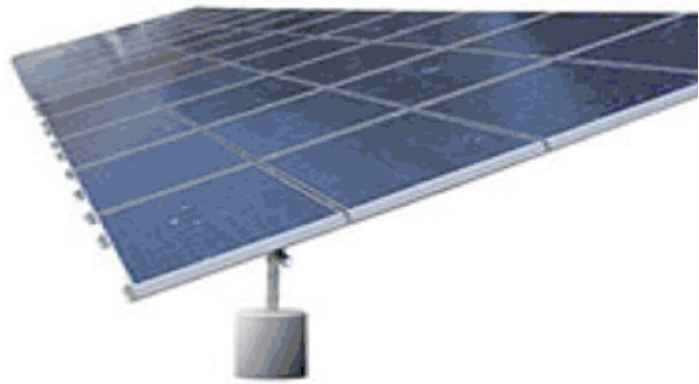
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OPTIONS AND POTENTIAL COSTS

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SAMPLE SOLAR ELECTRIC SYSTEMS AND COSTS

Solar Electric Supply Ground Mount Systems						
System Size	30 kW	50 kW	75 kW	100 kW	150 kW	250 kW
System Area sq. ft.	5,172	8,621	12,931	17,241	25,862	43,103
Base Price	\$97,500	\$162,500	\$243,750	\$325,000	\$487,500	\$812,500

- Optimal use of unused open land space
- Simple, low cost installation
- Visible, attractive design. Assumed tilt is 25 degrees at 40 degrees latitude



Not Included:

- Standard AC conduit, wiring, disconnects
- Local permitting, civil and structural/engineering certifications
- Flashing and roof sealants

We have designed these systems for the commercial property owner, industrial facility manager, solar farm or homeowner with a business on their property. System design, electrical schematics and installation support available.

Project Evaluation

Set an appointment to review your power requirements, geographical location and mounting options to ascertain the best system for your needs. We quickly determine the feasibility and economics of installing a solar grid tie system on your building or property.

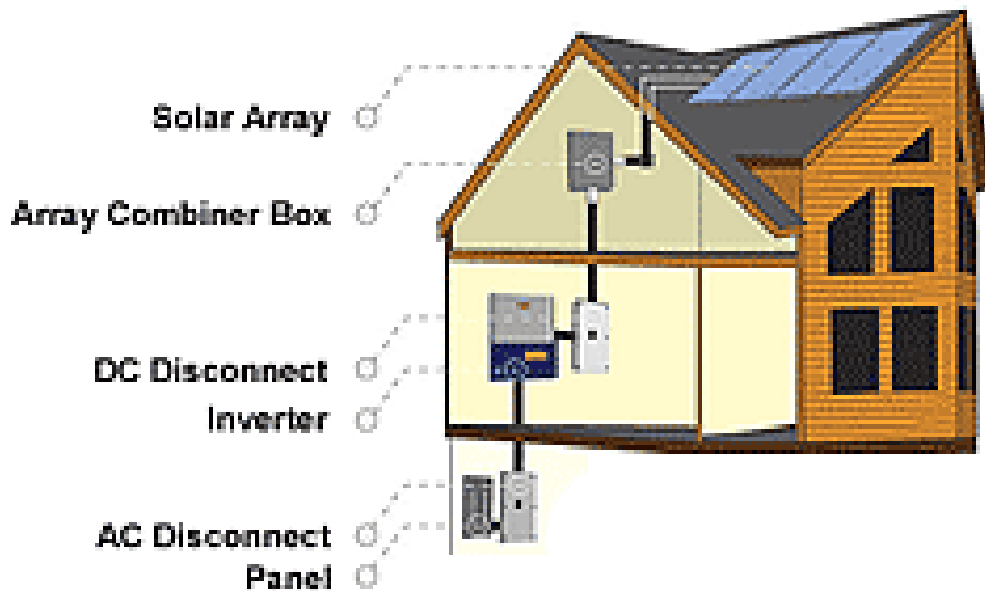
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Solar Power for Your Business or Public Agency Building

Solar electric systems for commercial businesses and government agencies are the fastest growing segment of the solar market worldwide. With net metering programs now approved in most of the U.S. states, thousands of businesses, schools and government agencies are now experiencing the benefits of solar electricity.

With a 30% Federal tax credit for solar power grid tie systems through 2017, and a new option for a 30 % Federal Rebate through 2011, now is the time to invest in a solar power system for your facility. Many states have rebates to further help subsidize the cost of the solar photovoltaic system. With solar panel warranties of 25 years, solar arrays will stabilize your power costs over that period. Plus, they generate the electricity during peak load times, often offsetting higher tier utility rates, enhancing the system's payback time.

We can design these systems for the commercial property owner, industrial facility manager, solar farm or homeowner with a business on their property. System design, electrical schematics and installation support available.



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Frequently Asked Questions

Why should I install a solar power system on my business?

Return on Investment: With the federal tax credit, available state rebates, and a five year accelerated depreciation of the system value, the return on investment of a large solar power system has never been better. Typical ROI's are 5-8 years when systems are purchased directly from Solar Electric Supply and self-installed. With our financial analysis tools we can help determine the ROI of a solar power system on your business.

30% Federal Tax Credit or Rebate: Act now, ends in 2008! Did you know that you can use 30% of your Federal tax liability or apply a direct Federal Rebate towards the purchase of a solar power system? Why not put that money to use and install a solar power system on your property.

Stabilize your power costs: With utility rates rising every year, a solar power system can stabilize your power costs. After the system has paid for itself, you are producing free power, lowering the costs of the remaining power you buy from the utility.

Green Marketing: There's no better way to show your customers that your business cares about the planet than by installing a grid tie solar system. Many of our customers state the fact that their business is solar powered in all their marketing literature and communications. You can talk about your business minimizing it's carbon footprint. If your business is not too power hungry, you can actually become carbon neutral with a solar power system that meets 100%.

Time for a new roof? There's no better time to install a solar power system than when your are putting on a new roof. You can drastically lower the cost of your system by using your roofing contractor to install the solar array supports on your underlying building structure. They will seal the supports and warranty their installation for any leaking. Then it's easy to install the array on the supports with your facilities staff or a local electrician.

Be Off The Grid.com uses Licensed and Trained Solar Installer Contractors

For Additional Information Contact

Michael J. Sodano, Sr. VP Client Relations
Be Off The Grid.com Your Energy Solution Company
Shawnee on Delaware, PA
1-507-576-9393
mike@beoffthegrid.com

3 Sylvia Place Randolph, NJ
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