Let PG&E be your 100% efficient photovoltaic battery system with a grid-tied solar electric system from Harmony Farm Supply!

- Net-zero annual PG&E bill
- California Solar Initiative rebates
- Federal Investment Tax Credit for 30% of system cost
- Modules guaranteed for 25 years
- SAVE MONEY AND THE PLANET!

California is leading the nation in promoting a renewable energy future by providing net-metering and up front financial incentives (rebates). Net-metering allows you to get credit with PG&E for the power you produce. The power you use at night or during cloudy days is then free (PG&E becomes your 100% efficient battery system!).

Beyond the grid-tied system option, battery back-up systems provide power when there is no grid. This can be desirable for remote, off-grid homes or as part of a grid-tied system to provide coverage for power outages.
If you are considering a photovoltaic system for your home or business call us and we’ll explain all the options and the whole process.

If you would like to get a head start on your own, here are the basic steps in siting and sizing a photovoltaic system:

1. **Site Review:**
   Do you have an open southeast to west facing location with little or no shading? Roof tops are ideal locations, but ground mounting is also popular with those who have the space. Space requirements are in the range of 75-90 square feet per kilowatt (1000 watts) of modules installed.

2. **Average Energy Usage:**
   Your PG&E bill provides you with your average kilowatt hours per day (kWhr/day) for each month. Usually it is best to look at a years worth of bills, from which you can get 2 years worth of kWhr/day averages. Add them all up and divide by 24 to get your overall average kWhr/day. Note: if you’re off-grid it’s a bit more complicated so call us or email us (solar@harmonyfarm.com) for a load calculation sheet.
3. **Peak Sun Hours:**

“Peak sun hours”, in this case, is the average annual sun hours per day with a de-rating factor for some real world system/module rating characteristics. For Sebastopol, we use 4.5 hours (call us to confirm the right number for your locale and specifics). Dividing your average daily energy usage (kWhr/day) by the appropriate peak sun hours gives you your approximate system size in kilowatts. Multiply this by 1000 to convert to watts.

Example: 15 kWhr/day ÷ 4.5 sun hrs/day = 3.33 kW

3.3 kW x 1000 W/kW = 3330 watt photovoltaic system

(System size is in industry standard STC watts. Ask us for our “Photovoltaic System Sizing Background Information” sheet for more information.)

**Next Steps:**

Come in, call, or email us to discuss your system specifics. We will provide you an estimate based on your electrical usage. If you are then ready to move forward, we will come out and do a full site evaluation at your location and discuss all the module, inverter, and mounting options. From there, we generate a CAD layout and a formal equipment and installation quotation and you are ready for solar power!

**Harmony Farm Solar System Services**

- System sizing and design
- Full site evaluation
- Equipment specification
- Module layout
- P.G.&E. Net Energy Metering Application and Interconnection Agreement
- Required County or City Building Permit Pack
  - Site Plan (w/leech field location as applicable)
  - Module Layout w/spacing measurements
  - Single Line Electrical Diagram
  - Solar Panel Product Literature
  - Inverter Product Literature
  - Mounting Hardware Product Literature
  - Grounding Hardware Specification Sheet(s)
  - Ground Mount Engineering Specifications (as applicable)

- Installation Co-ordination
- System Hardware site delivery
- Consultation before, during, after, installation
- System support / warranty service coordination

**HARMONY FARM SOLAR**

Every year enough sunlight hits the earth to produce about 1000 times the amount of energy produced by burning fossil fuels. You can utilize this energy! If you put out your
hand and see a shadow, you have enough sun for YOUR photovoltaic system to be producing electricity.

The electricity your photovoltaic system produces is immune to utility rate increases! With electricity costs nearing a 20-year high and increasing by an average of 6.7% per year, now is the time to go solar with Harmony Farm Supply!

Harmony Farm Solar can provide systems with ANY photovoltaic modules except Chinese made panels, and ANY inverters. We are not tied to any specific brand or manufacturer. Our profit is calculated on a flat rate per watt basis and not tied to the cost of the system. This allows us to objectively help you select the optimum equipment for YOUR application from everything out there!

Solar Modules: SolarWorld, Suniva

Inverters: Fronius, SMA, Outback, Enphase, etc.

Call us today to get started on your energy independence.

HARMONY FARM SUPPLY
3244 Gravenstein Hwy. North
Sebastopol, Ca 95472
707-823-9125