



## Case Study

### Solar monitoring and support Antze Residence – Sebastopol

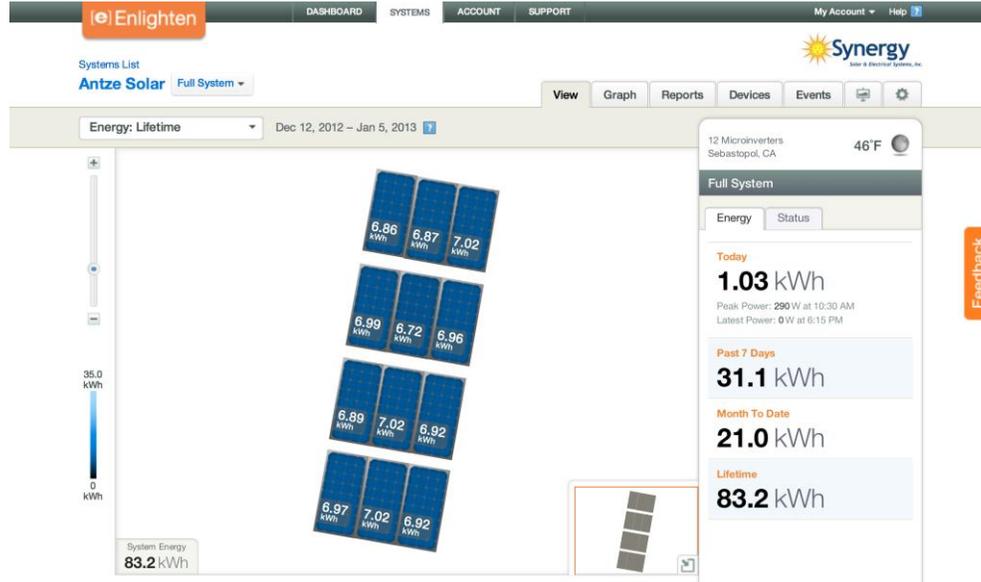
**Issue:** The Antze's purchase a modular 2009 model home (a discontinued line from Sacramento) equipped with a 2 KW solar system, and were unable to get support from the manufacture for the solar system. The home was purchased and installed in Sebastopol in 2012. The Antze's had no idea if the system was working or not, and called Synergy. Additionally the Antze's wanted to interconnect the system to PG&E and had minimal documentation on the system.



**The Solution:** The first step was to document the system, design and installation. While the system had high end products, the installation was designed for show (model home) not usage. The system was made up of 12 SunTech 170 watt panels and 12 Enphase Energy first generation M175 Micro inverters. Synergy installed a Enphase Envoy unit so the system could be monitored, by the Antze's and Synergy. Synergy also cleaned up the installation, strapping up cables off the roof and a installing waterproof junction box (replaced an indoor rated one previously installed) for a long term solution. Synergy also labeled the system and researched permitting with the county. Synergy prepared an electrical line drawing and the NEM agreement for PG&E and submitted the paperwork. One month later, the system was upgraded, able to be monitored and connected to PG&E.

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At Synergy, our goal is not just in the quality and performance of our systems, but also in how we meet the needs of our clients.



Enphase Energy's Enlighten Monitoring System for the Antze's

I recently purchased new energy efficient modular home that came equipped with a 2 Kw solar array on its roof. The manufacturer had discontinued this line of homes and was unable to provide me with support. I had called several other solar firms before I contacted Jeff Mathias at Synergy Solar. Few of them responded and the ones that did showed little interest in helping me get my system up and running. Jeff on the other hand was at my place in less than an hour after my initial call to look over my situation. Some aspects of the installation were not up to Synergy Solar's standards. Jeff informed me what those items were and provided me with an estimate of the equipment and labor need to set things right. He was able to schedule a crew to do the work a few days later. Within a week of our initial meeting Synergy had completed the work, Jeff had filled out a submitted the NEM application on my behalf and I was able to monitor the performance of my system from both my desktop computer and my iPhone. Two weeks after that PG&E arrived to install my new smart meter. I highly recommend Synergy Solar to anyone in need of maintenance on their solar array. With no advanced knowledge of the particulars of my system they able to determine the exact make and model of my panels and inverters and provide me with additional pieces I needed to complete the system and get it functioning. And at the end of the process the actual cost came in less than the initial estimate.

Lowell Antze  
**Sebastopol**

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