

# Affordable Solar Power Made Available to Homeowners

## CHALLENGE

Price of solar prevented homeowner from reaching his ideal level of sustainability

## SOLUTION

Vivint Solar's PPA required no upfront cost, making installation affordable and possible

## RESULT

System generated energy for 20-30% lower costs each month



“At Vivint, we take care of everything. From monitoring and servicing the system, we make sure it’s as easy as possible for the customer.”

— Jason Deelstra  
Marketing Director  
Vivint Solar

Increasing energy prices have homeowners emptying their wallets to utility companies, prompting San Diego resident Kenneth Hallwachs to flip his solar switch and generate power for a fraction of the cost.

### Economic and Energy-Efficient Improvements

For Kenneth Hallwachs, reconstructing his home to conserve energy was a logical and achievable objective, yet the cost of solar was never in reach. Vivint Solar's power purchase agreement (PPA) enabled Kenneth to install a solar array that required no upfront cost and he began saving money the very next month on his electric bills.

“I care about savings and efficiency. I am the original owner of my home and have begun doing things around the house to save money. I have added digital lighting, attic insulation, double pane windows, a high efficiency cooler, and a new roof to my home. All I was missing was solar, and now I have it. Thank you, Vivint Solar!” said Kenneth Hallwachs.



Enphase microinverters provide easy installation for installers and accessible monitoring to homeowners.

Using the Enphase Microinverter System, this residential solar array will generate energy for 20-30% less of the cost than utility energy, saving the homeowner \$40 to \$50 a month.

#### Stress-Free Installation

The 3.6kW rooftop array consists of M215 Enphase microinverters matched with Trina Solar TSM- 245W modules. With the ease of connecting Enphase microinverters to the Zep Solar mounting hardware, Vivint technicians were able to complete the entire installation in less than a day without any complications.

Vivint Solar makes it easy for people to understand the value of solar power by taking customers step-by-step through the contract, targeting their specific energy needs. With Vivint, homeowners are able to track the progress and production of their array through Vivint Solar's Facebook app.

"At Vivint Solar, we take care of everything. From monitoring and servicing the system, we make sure it's as easy as possible for the customer," said Jason Deelstra, Marketing Director at Vivint Solar. "We've installed so many systems, using great companies like Enphase, that we know exactly what we're doing—taking any and all worry out of the customer's mind."

#### Valued Partnership

The simplicity of Enphase's innovative microinverter technology allowed Vivint to fulfill its mission to provide simple, affordable



#### INSTALLATION SUMMARY

Client **Hallwachs Residence**

Location **San Diego, CA**

Installer **Vivint Solar**

System Size **3.6kW**

Microinverters **Enphase M215**

Modules **Trina Solar TSM-245W**

solar technology to this residential home. Vivint professionals can design arrays and make minor adjustments during installation. With a traditional inverter, the shade from a large vent in the middle of the roof could present serious production losses across the entire array. Microinverters minimize this loss of production at an individual panel level, significantly increasing the array's productivity levels.

Being a leading provider of simple, affordable solar solutions as well as an early adopter of the PPA model, Vivint delivers solar systems to customers throughout North America. They provide consumers with the ability to save money, choose their own power source, and protect the environment.

#### About Enphase Energy

The Enphase System revolutionizes solar power generation with industry-leading technology innovation. Enphase's proven microinverter technology maximizes production of each module, which works together with advanced communications hardware and an intelligent software platform to deliver a reliable, high-performance solar array.

To learn more about the benefits of the Enphase system, visit [enphase.com](https://enphase.com).