## **Energy consumption monitoring system**

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According to the U.S. Energy Information Administration, the average American home uses about 911 kWh of electricity per month. That's more than \$100 a month for many families! But there are ways to reduce that number and save money on your energy bill, and one of the best ways to do that is by using a smart home energy monitor.

A good energy monitor will not only help you save money on your monthly energy bill, but it can also help you become more aware of how much electricity different appliances use. This is especially helpful if you are looking to make some changes to your home in order to become more energy efficient.

Many people face difficulties when trying to monitor their energy consumption, such as not knowing where to start, lacking motivation, dealing with inaccurate data and having limited data access.

And that"s where a smart home energy monitor comes in. It can provide you with real-time feedback and monitoring of your energy consumption, help you identify patterns in your energy use, and provide insights into how much electricity you"re using and where.

I have extensive experience with smart home energy monitors and have put together this guide to help you find the best one for your home. I'll provide a review of the top energy monitors on the market, as well as information about how they work and what to look for.

Now you have the basic information about energy monitors, let's get into our top 5 picks:

To start things off, we have all-in-one energy monitor from Sense. This device offers a great combination of features, accuracy, and compatibility. The base unit plugs into any existing electrical panel, and it comes in both solar-friendly and non-solar variations.

The great thing about this unit is that you can purchase the base unit alone rather than with the solar attachment if you don't already have them. If you want to switch to solar power for your home, you can buy additional sun sensors for only \$50 instead of buying a new energy monitor.

The Sense monitor comes with a pair of sensors and an antenna to transmit data to the developer \$\&\pm\$#8217;s app. Whether you use iOS, Android, or the web, you \$\&\pm\$#8217;ll have access to real-time information. In addition to viewing the comprehensive data set on your mobile phone, you can also view it on a computer.

In addition, the program will evaluate your entire energy bill to determine which areas of usage typically use up the most power. You'll be able to make your own objectives and create alerts.



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During our research, we learned that the sensor contains machine learning software to recognize energy-consuming devices in your home. You can easily connect it to Amazon Alexa and other smart home hubs and assistants.

We also learned that the energy efficiency and accuracy of this item improve by 15% over time as a result of the machine learning software.

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