



# Solar power monitoring app

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The world of solar energy is rapidly expanding. Alongside the exponential growth of technology in general. New innovations in solar power and technology are poised to make impacts on the future of renewable energy. But many of these technologies, like an app to monitor solar panels, are much more accessible than you think. You solar panel data in the palm of your hand.

In such a connected society, it's no surprise that solar customers would want to have an up-close-and-personal relationship with their solar energy systems. Our smart phones and watches have allowed us to track, monitor, and analyze nearly any kind of personal data imaginable.

And your solar panels are no different. While solar panel monitoring apps may not tell you how many steps you're taking or how many hours you're sleeping, they can still provide valuable information. Like how much money you're saving by going solar.

"The EMA APP is a mobile energy monitoring application designed to be used by owners of APS microinverter products. Users can check the real-time performance, historical power output, and environmental benefits of their PV system from their mobile device." &#8212; APSsystems

The Energy Monitoring & Analysis (EMA) App is one that many of our KC Solar customers love. It's great for tracking their solar array performance in real time through their mobile devices.

Not only can you see a graphic representation of your solar panels and their individual performances. But you can also track your system's output at a daily, weekly, monthly, yearly or even lifetime level.

"The monitoring platform provides enhanced PV performance monitoring and yield assurance through immediate fault detection and alerts at the module level, string level and system level.

No hardware or wiring is required to transmit data from the power optimizers to the inverter: the monitoring sensors and transmitters are built into the SolarEdge power optimizer and solar inverter, and measurement data is transmitted over the regular power lines." &#8212; SolarEdge

The SolarEdge monitoring application is another popular app when it comes to tracking your solar system's output and energy production. It's also easy to access from any internet-enabled devices, including computers or tablets.

Key benefits of MySolarEdge include the robust reporting and analysis tools, which even gives users the option to schedule automatic reports. Plus, you can set up automatic alerts on any system issues.



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In addition to having full visibility to your solar system's performance &#8212; from a technical and financial perspective &#8212; MySolarEdge can even help customers detect excessive energy usage. Which can help you get in front of a bigger electric bill.

"With the Enphase Enlighten mobile app, you can check your system's status at-a-glance without scrolling and still dive into the details of your system's health and performance, per-panel production all while on-the-go. You can view overall energy and per-panel energy production data within a single click as well as overviews of your energy consumption and storage (if applicable)." &#8212; Enphase

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