

Solar Power Storage Management

The how, why, and when of storing free energy harvested from the South African sun.

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[/EINPresswire.com/](http://EINPresswire.com/) -- The idea of free energy is difficult to fathom, especially when South Africans are made to pay for just about every little thing they use. In order to enjoy just basic necessities, money needs to be spent. But free energy is a reality, even when it comes with a very reasonable initial investment. Yes, the equipment to harvest the energy has to be acquired, but the harvesting process itself will never cost a cent.



There are two ways solar power can be utilised. Firstly, it can be used on demand. Or secondly, it can be stored and utilised at a later stage, like during the night. And here is a quick breakdown of how, why, and when to store free solar energy.

How Solar Power Storage Works?

When solar power is used on demand, it means the sun is shining and the panels on the roof receive a sufficient amount of sunrays. At the same time, the sunrays are converted from DC to AC, which is then used inside the home or business immediately.

However, many do not want to let all that extra energy go to waste when it is not used throughout the day. And this is when they invest in a battery bank. Battery banks come in different shapes, sizes, and quality, but the primary purpose is to effectively store and discharge energy as necessary.

Depending on the size of the investment and electricity requirements inside the home or

business, a battery bank can store enough energy for several hours of usage. In fact, some lithium battery banks can store up to several days of renewable energy, although these are more expensive.

Why Store Solar Energy?

Considering the convenience of having stored up solar energy during the night, it is difficult to find reasons NOT to invest in some kind of storage unit. For example, load-shedding in South Africa remains a problem for 2019, while almost complete independence can be achieved from the Eskom grid if the battery bank is big enough. And what about situations when cloudy conditions stick around and the weather knocks out the power?

Whether it is a business, personal, or environmental basis for installing a battery bank as part of the solar array, chances are the decision can be justified in a million different ways.

When to Start Storing?

It is important to note that battery banks do not have to form part of the solar array, but for individuals who can already list the benefits, storing right now is probably the best option. Keeping in mind that solar energy can be available 24/7, just imagine how much can be saved on the utility costs. Not to mention the ease of knowing there will always be lights no matter what the political situation.

More information, advice, and even options about solar energy storage can be found at [Solar Advice](#), a direct link between South Africans and affordable solar technology.

A Da Silva

Solar Advice

+27 616969153

[email us here](#)

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