



TRUTH & INTEGRITY



GIA Electrical (Pty) Ltd trading as Aeon Solar

What we do:

Aeon Solar has been established to install solar PV system for residential clients in the Western Cape. Our installations will assist our Clients to substantially reduce, or totally eliminate, their dependency on the municipal electrical supply and to generate their own electricity through a solar PV system.

We also provide and install back-up installations should you only need power supply during load shedding or interruption of power supply.

Why we do it:

Aeon Solar assists their Clients to become less independent, or totally independent, from the municipal electrical supply and to enjoy uninterrupted electrical supply in a country where the lack of maintenance by Eskom has not only made the supply of electricity undependable, but also very costly. The cost of electricity production by Eskom continues to escalate, year on year, far above inflation, where consumers have no other option than to revert to alternative means of power supply.

How we do it:

First things first – understand and know your energy usage requirements. This will in turn determine what the size of your solar PV system should be. How many kilowatt-hours (kWh) / units per day does your home typically use? Once you engage with us for providing our services, we shall determine your energy usage as part of our assessment.

Secondly, do you have the roof space available for installation of the PV panels? The angle, direction and any shade on your roof determine the amount of electricity can be generated from the sun. North-facing roofs receive the most sunlight in South Africa but having half of your panels facing East and the other half facing West is also a good option. Solar panels can be installed on roofs with up to 45-degree angle whereas +/- 35 degrees provides the best angle. For flat roofs, an angled mounting system can be installed.

Thirdly, decide on the type of system you need. Do you want to be grid-connected, completely off-grid, or do you want power backup only? The size of the battery storage system will determine how long your home can be running on the system overnight or during load shedding. You can also opt for a backup system only to have power back up during load shedding.

Fourthly, when you decide to go with Aeon Solar, we shall first make a site assessment to evaluate you're your current electrical installation, energy usage needs, the appropriateness of your roof and the type of system you require.

Contact Gordon Cloete at 079 464 0362 or gi.elec@rocketmail.com for all Victron Approved Installations

The equipment we install:

Image of solar panels

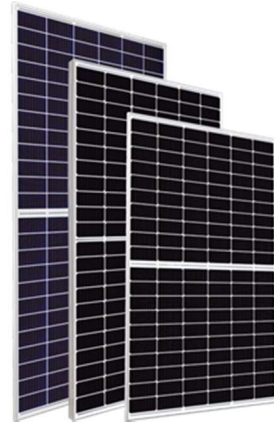


Image of Gerbo GX controller



Image of essential DB by-pass



Image of Freedom Won Batteries



Image of MPPT controller



Image of MultiPlus Inverter

