

Installing a private Small-Scale Embedded Generation system in Langeberg Municipality



CONNECTING ANY ALTERNATIVE ENERGY SYSTEM WITHOUT APPROVAL IS ILLEGAL AND PUT YOUR FAMILY, OUR EMPLOYEES AND THE ELECTRICITY GRID IN DANGER.



BEFORE APPROVING THE INSTALLATION AND PURCHASING OF A SYSTEM, THERE ARE KEY POINTS TO CONSIDER:

Before installing a Solar PV system, it makes economic sense to first become more energy efficient. By doing so, you will reduce the size and cost of the PV system you need. Consider installing an efficient water heater (solar water heater or heat pump), installing efficient lighting and switching to gas for cooking and heating. For tips go to www.saveelectricity.org.za.

Do not proceed with any alternative energy system installation until written authorisation has been granted by Langeberg Municipality following the relevant application.

If you are planning to install a system that connects to your distribution board and the Municipal connection in any way (even just for charging the batteries), you need to obtain written authorisation from Langeberg Municipality.

- Click here to [apply online](#) for authorisation: Use the “Applicant Login” to [Register](#). The Registration process is simple and easy. Thereafter you can [Login](#) and begin the authorisation process by creating a New Application.

Stand-alone systems must be registered with the Municipality but are not required to go through the full authorisation process.

Backup generators must also be registered with the Municipality.

View the [REQUIREMENTS FOR ALTERNATIVE ELECTRICAL GENERATION \(BELOW 1 MVA \(1 000 kVA CAPACITY\) here](#).

This includes solar photovoltaic systems (including Solar photovoltaic Geysers), Uninterrupted power supplies, Alternative power supplies, Peak shaving or any additional power source equipment and LV standby generators in the Municipality’s Licensed area of supply.

For systems larger than 1MVA (1 000kVA), please contact the Electrical Department directly at ae@langeberg.gov.za

FOLLOW THESE KEY POINTS WHEN CONSIDERING THE PURCHASE AND INSTALLATION OF AN ALTERNATIVE ENERGY - OR BACK UP SYSTEM:

1. Obtain authorisation from Langeberg Municipality prior to purchase and installation. Make use the [online system here](#).
2. Obtain a structural assessment of your roof
3. No need to submit building plans (PV system) - unless the panels protrude more than 600 mm above the highest point of the roof, or they are raised more than 1.5m above any point on the roof, or if ground mounted, the panels in their installed position project more than 2.1m above the natural/finished ground level.
4. Buy the correct inverter: If you are planning to install a system that connects to your distribution board and the Municipal connection in any way (even just for charging the batteries), be sure to use a NRS097 certified inverter.
5. Check PV panel standards: At the very least, ensure that the PV panels you will use have a Certificate of Compliance for the IEC standard: EC 61215 – Crystalline silicon terrestrial PV modules. IEC standards are the international version of the SABS and are a good indication of panel quality. Ask your service provider for proof.
6. Store batteries safely: If you are installing batteries, make sure that they are stored in a properly racked, well ventilated, dry room and in accordance with the Occupational Health and Safety (OHS) Act, Act 85 of 1993.
7. For quality installations, make use of an installer accredited by SAPVIA who can issue a Green Card for your installation. See www.pvgreencard.co.za

For more information about Rooftop Photovoltaic Systems please contact
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