

Kodak OG range and NRS standard when connecting to a grid



Kodak OG range and NRS standard when connecting to a grid

The Kodak OG (off-grid) range of products is specifically designed for your off-grid needs. The Kodak OG range of inverters offers you an easy to install, cost-effective solution for any off-grid scenario. The Kodak range of products can support any loads from 3kW up to 60kW in either single phase or three-phase system configuration. During the day the load would be powered by the solar modules and at night be supplied by the battery modules. The sun would charge the batteries and supply the loads at the same time.

The Kodak OG range of products are great solutions for the following:

- Agriculture sectors – Such as farms, pump stations, workshops, etc. Where it is too costly to install grid cables.
- Areas with no utility – Areas where the utility is not available, such as developing communities or new constructions that are too far from the utility point.
- Users that want to move off-grid – Homeowners or business owners who are looking to move completely off-grid, new developments (estates, townhouses & flats) looking to only use solar instead of the grid and be power independent.

Please note that the Kodak OG range is not NRS 097 certified and cannot be used as a grid-tied application in certain municipalities in South Africa.

For clarity on the NRS standard please follow the [link](#).

For the list of approved inverters and relays as per the [city of Cape Town list](#).

The Kodak OG range of products has great features such as:

- Battery management system communications for optimal management and control.
- Built-in Wi-Fi and Bluetooth, enabling wireless remote monitoring.
- A power range of up to 60kW in single or three-phase configurations.
- Compatibility with a wide range of [batteries](#).
- Generator compatibility, for more information see the [KODAK Solar Products application note](#).
- Zero-millisecond changeover times for a true uninterruptible supply (OG-Plus inverters).

There are various models to choose from in the KODAK Solar Products OG range, with inverters ranging from 3kW up to 10kW that can further be expanded up to 60kW - ensuring the best possible solution for a variety of project requirements.

So, use the KODAK Solar Products application guide to find the right OG inverter for your next off-grid installation today!

In areas where grid connection seems difficult, in areas where the grid is not stable and in areas where there is no access to electricity, an off-grid system is the best solution. Make sure the off-grid system is designed by qualified personnel, who will do a suitable and effective energy analysis report of the demand vs supply throughout the year, considering winter days.

When connecting the Kodak OG range of inverters to an AC supply source as part of the system, make sure to install an AVS device. An AVS will protect the inverter from any spikes or drops that may send impure AC voltage to the unit, due to the AC source switching on and off; this may lead to the unit's internal components being damaged. The AVS is a voltage stabilizer protection device, available for purchase on our portal, for both 3-phase and single-phase [applications](#). Please ensure that the grid code allows for grid connections when deploying the Kodak OG inverter to the grid as an AC source of supply.