

KODAK Solar Products



Energy you can trust

Introducing KODAK Solar Products to South Africa...





Exhausted with regular electricity price increases and load shedding? Solar is your solution. Start generating clean, sustainable energy from the African sun today for enhancements to your home life and business operations.

Energy you can trust, choose
KODAK Solar Products.



WHAT IS SOLAR?

Solar power is sometimes referred to as photovoltaic (or PV) energy.

'Photo' = light

'Voltaic' = electricity

When light from the sun hits a solar panel, it reacts with silicon crystals in each panel to produce an electric current – essentially creating its own power station. This electric current can then be converted into useful energy for powering your home or business.

There are three different types of PV system:

Off-grid:

For rural areas with little or no grid connection. Off-grid systems require storage to save up surplus electricity for later use.

Grid-tied:

For households and businesses looking to generate electricity from solar, the surplus of which is sent back into the grid. The grid becomes a source of power in the event insufficient solar power is generated.

Grid back-up:

Energy from the solar panels is combined with energy from the grid to ensure essential appliances receive a constant supply of power.

HOMEOWNERS: WHY DO YOU NEED SOLAR?

As a homeowner in Sub-Saharan Africa, energy prices are continuing to rocket as demand increases and supplies diminish. Investing in a PV system means you can generate your own power from the abundant sun, giving you freedom from the constraints of the grid and endless opportunities for surplus, sustainable energy.



Price security

Take control of your energy spending again



Environmentally friendly

Contribute to a greener future



Reliability

Beat the unpredictable grid

Get in touch today or visit
bluemountainpv.co.za
to find an installer near
you and start investing in a
sustainable tomorrow, now.





SMALL BUSINESS OWNERS: WHY SHOULD YOU CHOOSE SOLAR?

No small business owner needs the added stress of unpredictable power outages and hikes in energy prices. Turning to diesel-fed generators often feels like the only option, but this is both expensive and has a detrimental effect on the environment.



Save on utility bills

Direct money to boost your business



Replace the generators

All the power without the guilt



Open for business

Keep your company operational at all times



Surplus power

Store any extra energy for later use

Get in touch today or visit **bluemountainpv.co.za** to find out how solar can transform your business.

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Why KODAK Solar Products?

- ✓ Solutions from a **name you trust**
- ✓ Energy you can **trust**
- ✓ Designed with **load shedding** in mind
- ✓ Perfect for **South Africa's** homes and businesses
- ✓ Sleek, **aesthetic** design
- ✓ **Local** technical support

KODAK Solar Products are the trusted solution for off-grid and grid back-up systems for households and small businesses in South Africa. Visually pleasing products with the iconic KODAK colours and design offering outstanding performance and efficiency to keep your appliances powered every hour of the day.

Find the perfect, K-omplete KODAK System for you. Solar experts have developed three exclusive packages to suit every requirement. Your chosen KODAK System includes all necessary components and will support your site's needs through grid instability, electricity blackouts and any periods of load shedding. Choosing a system with purely KODAK Products is a cost-effective solution offering maximum compatibility, efficiency and reliability with an outstanding return on investment.

ENTRY LEVEL

Standard and simple **load shedding** system.
Basic but effective.

If you're looking for a small and simple solar system, the **Entry Level** package is perfect for you. Offering 5kW of power, the battery and inverter work together **seamlessly to fulfil sudden high loads during periods of load shedding**. The system can also supply low base power loads for several hours. Whatever your home or business needs, these products have flexible application and can be installed to your requirements.

OG5.48 package

- OG5.48 - 5kW 48V off-grid inverter
- 3.6kWh 48V 1.5C Li-Ion battery (BL3.6)
- Type I & II 600V protection box
- Fuse-switch disconnecter with 125A fuses
- Single-phase AC switch disconnecter
- 4x Battery cables
- Battery rack for 4x BL3.6



HIGH POWER

Enhanced features for running a house during **load shedding**. Perfect for unstable grid connection.

The products included in the **High Power** package have several features making them the perfect match for running your household during periods of load shedding. Alternatively, **this package suits sites with an unstable grid connection**. The inverter provides consistent power output whether connected to the grid or not to **keep important appliances or delicate loads running** efficiently without interruption.



OGS5.6 package - Small storage

- OGS5.6 - KODAK Solar Off-Grid Inverter 5.6kW 48V
- 3.6kWh 48V 1.5C Li-Ion battery (BL3.6)
- Type I & II 600V protection box
- Fuse-switch disconnecter with 160A fuses
- Single-phase AC switch disconnecter
- 4x Battery cables
- Battery rack for 4x BL3.6

OG-PLUS 6.2 package - high storage

- OG-PLUS6.2 — KODAK Solar Off-Grid Inverter 6.2kW 48V
- BL5.0 — 4.9kWh 48V battery 1.5C Li-Ion battery
- Type I & II 600V protection box
- Fuse-switch disconnecter with 160A fuses
- Single-phase AC switch disconnecter
- 2x Battery cables



MAX POWER

Ultimate power to keep all household loads running through **load shedding**.

Featuring a powerful inverter and battery combination, the **MAX Power** package offers supreme power for every appliance at your home or small business. The inverter keeps the batteries topped up during the day thanks to its superior solar capacity, providing up to 7kW of power for 90 minutes. This system is for those who are not willing to **compromise on which loads to keep running during periods of load shedding**. The high-capacity MAX Power package lets you have it all.

OG-7.2 package - small storage

- OG-7.2 - KODAK Solar Off-Grid Inverter MAX 7.2kW 48V
- 2x 3.6kWh 48V 1.5C Li-Ion battery (BL3.6)
- Type I & II 600V protection box
- Fuse-switch disconnecter with 250A fuses
- Single-phase AC switch disconnecter
- 4x Battery cables
- Battery rack for 4x BL3.6

OG-10 package - high storage

- OG-10 — KODAK Solar Off-Grid Inverter 10kW 48V
- 2x BL5.0 — 4.9kWh 48V Battery Module
- Type I & II 600V protection box
- Fuse-switch disconnecter with 250A fuses
- 2x Battery cables

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KODAK SOLAR INVERTERS

KODAK Solar Inverters are crucial for your PV system to reach its maximum potential. An inverter takes the solar power captured by the panels and converts this energy from DC to usable AC electricity.



MID POWER KODAK INVERTERS

The Mid-power range of Kodak inverters offer expansion of up to 9 units in parallel for single or three phase, medium – large domestic applications. They offer Wi-Fi monitoring color LCD display and RGB LED indication lights for aesthetics. These units also offer a 0ms change over time for critical or sensitive loads (features model dependent)



HIGH POWER KODAK INVERTER

The High-power range of kodak inverters offers 2 MPPT's for increased solar production, high power output of up to 10kW for a single inverter and the ability to expand up to 6 units. The wifi monitoring offers remote monitoring. A large LCD color display with RGB LED indicator lights add to the aesthetic of any solar installation.

KODAK Solar Products



KODAK SOLAR ENTRY-LEVEL OFF-GRID INVERTERS

Off-grid inverters are the sole powerhouse of a PV system — with no connection to the grid, as all energy comes directly from the solar panels.

THE OG-3.24

This compact 3kW, 24V inverter is ideally suited to small domestic systems where no parallel operation is needed, with a selectable input voltage range for home appliances and personal computers. It also features a removable LCD control module with multiple communication servers.

THE OG-5.48

Building on the features of the OG-3.24, the OG-5.48 boasts a 5kW capacity and 48V voltage. This model features a selectable high-power charging current and input voltage range. Its RS485 port also enables battery management system (BMS) communication without any other control module.



THE BL3.6

Thanks to its industry-leading 'C' rating of 1.5, a single BL3.6 battery can provide a reliable solar power supply for 5kW inverter systems, as well as up to 5000MW of continuous discharge power. This high-performance battery also comes with an industry-leading 95% depth of discharge for maximum efficiency.

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KODAK ENERGY STORAGE

Solar batteries store energy generated during the day for use when it is dark or when the grid fails — providing reassurance that power will be available at all times.



THE BL5.0

With 4.9kWh of rated power and a rated voltage of 48V, the BL5.0 features a charging and discharging current of 150A — and a continuous discharge current of 1.5C. This battery comes with protection from common faults, including overvoltage and undervoltage, short-circuiting and high and low temperatures.

- ✓ 10-year warranty
- ✓ Parallel capability of up to 15 units
- ✓ RS485/CAN communications
- ✓ Compatible with all KODAK Solar Products inverters

OG-LP INVERTERS

The KODAK Solar Products OG-LP off-grid inverters offer an economical gateway to solar energy, with all the top features to be expected from a high-quality PV product — such as RS232, RS485, CAN and Wi-Fi communications and a 93% peak efficiency — at a low price.

KEY FEATURES OF THE OG-LP INVERTERS

- Built-in Wi-Fi for in-app mobile monitoring
- Wide DC input range
- LCD control panel for configurable battery charging design and AC/ solar charger priority
- Overload, overtemperature and short-circuit protection
- Battery equalisation function to optimise product performance
- BMS communications
- Compatible with generators
- IP20 rating
- Anti-dust kit



THE OG-LP3.2-24

The first of the two OG-LP inverters is the OG-LP3.2-24, which gains its name from its 3.2kW of rated power. This entry-level inverter boasts a maximum solar and AC charge current of 80A and comes with overcharge protection up to 32VDC.



THE OG-LP5.6-48

Gaining more power from its 5.6kW rated power and 48V voltage, the OGLP5.6-48 is a bigger version of the OG-LP3.2-24. As such, it comes with overcharge protection up to 63VDC, a maximum solar charge current of 120A and a maximum AC charge current of 100A.

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ALL-IN-ONE INVERTERS

As the name suggests, an 'all-in-one' inverter combines the capabilities of a solar battery and a hybrid inverter in a single unit.



THE ESS-510

When you need a PV system that is as affordable and easy to use as it is powerful, the KODAK Solar Products ESS-510 is the ideal choice.

This 5kW, lithium-ion 'all-in-one' inverter ensures you never have

to compromise on your energy supply, offering a fully hybrid, competitively priced system with all the hallmarks of a high-quality energy storage solution.

The lightweight, compact and sleek ESS-510 is easy to install and expand, with a modular design allowing you to scale up the system for a bigger, better power supply. Plus, programmable operation modes and a built-in timer permit use for grid-tied, off-grid and backup systems — and users can prioritise supplies for PV batteries or the grid.

KEY FEATURES OF THE KODAK SOLAR PRODUCTS ALL-IN-ONE SOLUTION

- Generous 10-year warranty
- Parallel capability of up to six units
- Discharge rate of 1.5C
- Enhanced AC/solar charger of up to 100A
- User-adjustable battery charging current
- Monitoring software for real-time status display and control via Wi-fi
- IP20 rating for indoor use
- Parallel capability of up to six units
- Multiple communications for USB, RS232, Modbus, SNMP, GPRS and WI-FI

Are you ready to get started with KODAK Solar Products?

FIND AN INSTALLER NOW.

A selection of preferred installers is available to fit a complete system with KODAK Solar Products.

Visit **bluemountainpv.co.za/find-an-installer** and fill in the form to be contacted by your local installer.



Please ensure your local regulations allow for the installation of your chosen inverter to your grid. Specific to the South African market, the off-grid units are designed for off-grid applications and thus do not have the NRS-097-2-1 certification.

ABOUT US

Blue Mountain Energy Limited and SegenSolar Pty Ltd are the two companies who brought KODAK Solar Products to Southern Africa.

BLUE MOUNTAIN ENERGY LTD



Blue Mountain Energy Limited is the brand licensee for KODAK Solar Products, meaning it is the only company currently able to facilitate the availability of these products.

The company is a UK-registered renewable energy company with over 10 years' experience in grid-tied and off-grid energy storage solutions and has strong connections to global solar markets and the solar PV manufacturing industry.



SegenSolar Pty is the sole distributor of KODAK Solar Products, operating exclusively in South Africa.

SegenSolar is part of the Segen Ltd group – the UK's largest PV wholesaler and distributor. Founded in 2005, the company holds a strong position in the UK, accounting for 30% of the British solar market.



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