



2022



UTILITIES
CONNECTED

Powering your world

Solar Solutions Proposal

SOLAR SOLUTIONS

SOLAR SOLUTIONS

With years of experience in the installation and maintenance of solar panel systems for a wide variety of different property styles and sizes, we will find the most suitable size and style of solar panels to be effective for private homes and commercial properties. Solar power can be used for anything a standard electrical supply can be used for, including lighting and even heating.

Utilities Connected also designs and provides energy storage solutions as part of our turnkey hybrid custom designed off-grid solutions.

Through the installation of engineered Solar PV and Battery Energy Storage Solutions (BESS) we enable our customers to mitigate the impact of rising electricity costs while reducing their carbon footprint.

Now you can reduce your operating costs by implementing an engineered Grid-tied solar PV solution which operates in parallel with your grid connection.



SOLAR SOLUTIONS

Solutions for residential owners:

Grid-Tied solutions

Grid-tied solutions result in significant cost savings and can be implemented with minimal disruption to your daily workflow. A grid-tied homesolar system is one that remains connected to the electrical grid. Such a system generates power for the home. The amount of power it feeds into the grid can reduce the home's electricity usage significantly. Grid-tied systems switch off once the main supply of electricity to the house is lost (typical loadshedding).

Hybrid Solution

A hybrid solar system works by sending solar power to your inverter, which then sends energy to power your home. Extra energy that is not used to power your home goes to your home battery for storage. This battery can provide power to your home when your solar panels are not producing energy.

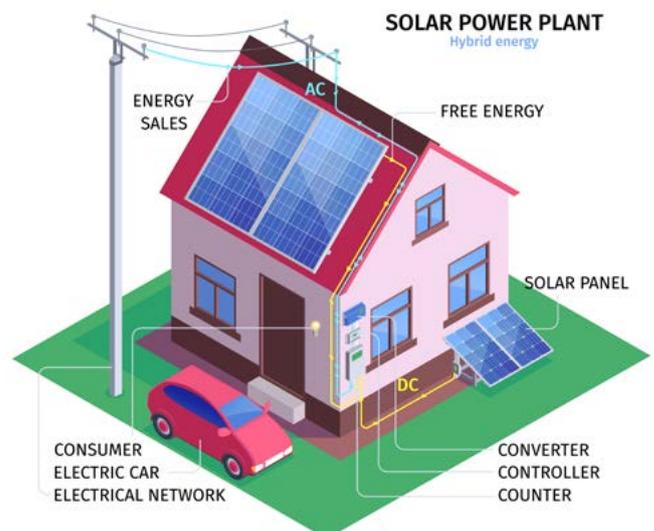
Off Grid Solution

Off-grid solar systems require specialised off-grid inverters and battery systems large enough to store energy for 2 or more days. Hybrid grid-connected systems use lower cost hybrid (battery) inverters, and only require a battery large enough to supply energy for 5 to 10 hours (overnight) depending on the application.

HOME HYBRID SOLAR PLANT



SOLAR POWER PLANT
Hybrid energy



Solutions for commercial owners

Grid Tied solutions

Grid-tied solar systems are more applicable to commercial operations, with high daytime energy consumption. Grid-Tied Solar systems do not require batteries and other equipment to use battery storage energy, it will lower equipment and installation cost allowing you to save more money with solar panels through better efficiency rates and net metering. Grid-tied solar systems are generally cheaper and very simple to install.

Hybrid Solution

A hybrid solar panel system is a combination of both the off-grid and grid-tie systems and has good features from both the other systems. It can be used with connection to the grid or with the batteries or with both. If it is connected to the batteries only, it is considered as an off-grid

solar system. If the connection is made with the grid only, it will act as a grid-tie solar system. If connected to both, it will act as a hybrid system. Hybrid systems reduce operating costs related to electricity usage, including electrical consumption over time (kWh), on demand (kW), and transmission costs. Producing electricity on site enables businesses to reinvest those savings and become more competitive.

Off Grid Solution

Off-grid systems provide uninterrupted supply even during loadshedding. Solar off-grid systems are designed to work completely independently from the power grid. These systems can be tailor-made to fit any commercial property, industry or farm. Off-grid solar systems use specialised off-grid inverters and battery systems large enough to store energy for 2 or more days.



UTILITIES CONNECTED

Powering your world

-  Unit 2, 15 Vermooten Street, Brackenhurst, Alberton, 1449, South Africa
-  www.utilitiesconnected.co.za
-  +27 10 448 6747 - Main number
-  +27 10 448 6748 - Call centre
-  +27 10 448 6749 - Sales