

Beat Load Shedding Thinking Off-Grid?



Back Up Power with Easy Upgrade to Free Solar Electricity

BackOn from UVAL offers homeowners and SME's (Small and Medium-sized Enterprises) a modular solution that beats load shedding and the increasing cost of electricity.

When your power is cut, BackOn automatically keeps the lights on and your selected electrical loads running. And best of all: It does not make any noise and does not require diesel or petrol. It's basically the **Iron Man version of a UPS** (A UPS is the box that keeps your computer running for a few minutes when the power goes off).



BackOn is built on UVAL's professionally engineered utility solutions, now available also for SME's, stand-alone homes and residential estates.

The Personal Power Station (PPS) quite literally puts "the power back in your own hands". It provides the SME/homeowner with a very clever power inverter and battery charger controlling a number of high quality batteries supplying your electrical loads during black outs. The size of the inverter and the number of batteries depends on how much back up capacity you need when the grid power is cut.

Once you are happy with the back up solution, **the PPS can easily be upgraded with solar panels** to generate free electricity permanently for everyday consumption. If you add enough panels you could become Energy Independent and enjoy life "off-grid".



BackOn will in any event greatly improve the reliability of your electricity supply and safeguard your lifestyle and business in times where reliable and affordable grid power is no longer a certainty.

The **PPS BackUp** solution offers instant back up of all essential electrical loads when grid power is cut. Once grid power is restored, the batteries will recharge at the prevailing grid tariff and be ready for the next round of load shedding.

We will help you prioritize your loads when the grid power is cut and the PPS kicks in. You decide what is essential; typically it will be lights, television, computers, microwave, fans, phone/internet and fridge/freezers etc. Giving priority to the things that really matter will keep your house or business running for longer during black outs and make it easier to go off-grid.

The optional **PPS Solar solution** offers an upgrade to permanent self-supply of free solar generated electricity and guaranteed lower electricity costs for many years to come. If you believe that black outs, load shedding and higher electricity costs are inevitable also in the future, solar is the way to go as it can take South African homeowners and businesses off the national power grid – without any compromises and without breaking the bank.



BackOn is also about being a bit clever and make your household or business waste as little electricity as possible. The more you save on consumption via energy efficiency (LED lights, heat pumps, gas geysers etc.), the less you have to pay Eskom/council and the more affordable it will be to invest in alternative power such as your Personal Power Station.

Already have a Generator? Not a problem. You can use the generator to quickly charge your BackOn battery bank in case they are depleted before grid power comes back. This means you have endless back up power without having to run the generator all the time. Your neighbours will thank you.

Guideline Pricing and System Configuration

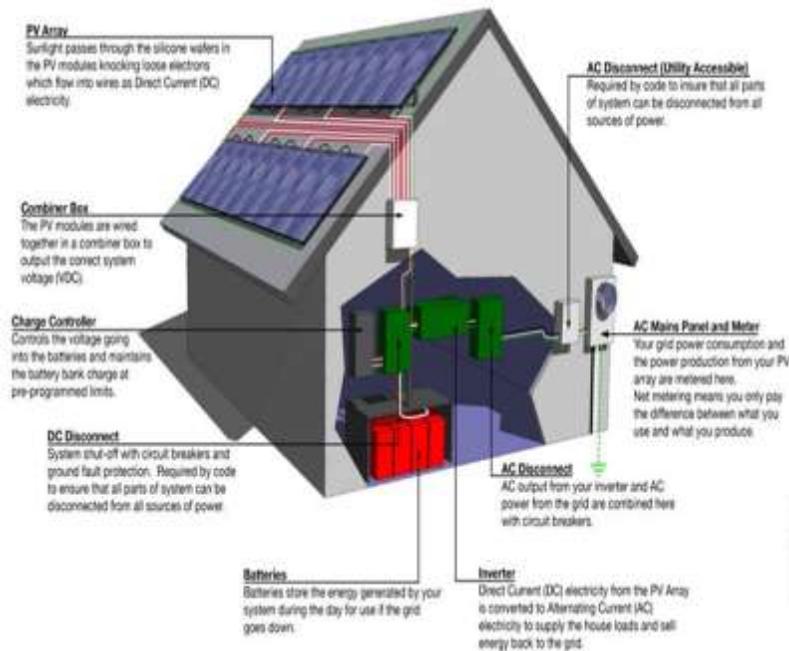
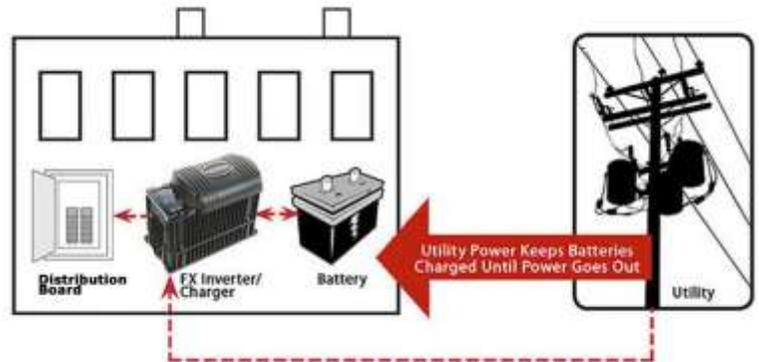
- BackOn Personal Power Station

BackUp PPS for Home Owners: Schneider Electric 2.5 kW Power Inverter and Battery Charge Controller including 2 x 225Ah deep cycle high quality batteries (10 years+ battery life) ensuring at least 4 hour back up power for operation of critical loads in case of power cuts/load shedding.

Estimated cost for this **PPS BackUp** system:
R 29 000,00 + VAT

PPS Option for SME: Incl. the above plus additional 4 batteries:
R 39 000,00 + VAT

Solar PPS Upgrade: Includes the above plus installation of solar PV panels (based on available roof space), providing a total of e.g. 3 kWp of clean, renewable energy, generating an average of 12-20 kWh per day (electricity output differs between winter and summer):
R 89 000,00 + VAT



NOTE! The only **additional cost** is for your electrician to rewire your Distribution Board (DB) to ensure that the selected, essential loads (identified in consultation with UVAL) are connected to the BackOn system

For more information, contact:

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