



POWER UP

THE SOLUTION
TO LOAD SHEDDING
AND POOR POWER SUPPLY
TO BOTH BUSINESSES AND HOMES

POWER UP IS A COMPLETE ENERGY SOLUTION THAT USES ADVANCED EUROPEAN TECHNOLOGY TO DELIVER A COMPACT SOLUTION TO ENSURE THAT UNRELIABLE POWER SUPPLY NO LONGER EFFECTS YOUR LIFESTYLE OR THE PROFITABILITY OF YOUR BUSINESS.

Power Up delivers all the function of an uninterrupted power source (UPS), pure sine wave inverter, high tech crystal battery charge controller and a maximum power point tracker in a single small high tech unit that harvests energy from any of a multiple of sources. Energy harvested is available for immediate use or saved to Crystal batteries.

Power Up will harvest energy from the grid, solar, wind, hydro, and generator. If solar, wind or other alternative sources are connected the control unit will first select these sources before using grid or generator power. The control unit will allow for direct use of the power or store the power to Crystal batteries. The control unit can also shut off your grid power at peak times and allow you to use cheap power previously saved to reduce your utility bill.

- No noise, no fumes, no maintenance, no having to store petrol
- Compact and fully automatic. No wires and extension cords
- Easily connected by an electrician directly into your DB board
- Scaled to supply power for as long as you like
- 2 times the daily power output and up to 4 times the battery life of and similar sized deep cycle battery and inverter system

Power Up is distributed by Build Africa Corporation in Africa. The company specializes in delivering modern building technologies and energy solutions to improve the quality of life in Africa.

A photograph of a desk setup. On the left is a silver MacBook Air with a green and blue wave wallpaper. In the center is a modern, silver desk lamp with a curved arm and a glowing light bar. In the foreground, an open notebook with a black cover and a black pen are on a light-colored wooden desk. To the right, a black mug is partially visible. The background is a plain, light-colored wall.

**“TAKE BACK
CONTROL OF YOUR
LIFESTYLE WITH
OUR SYSTEM”**

AFFORDABLE UNINTERRUPTED POWER SUPPLY SOLUTIONS FOR YOUR HOME; ENSURING YOUR SAFETY AND CONVENIENCE 24/7

THE BENEFITS OF POWER UP IN THE HOME:

- Clean, tidy and small Uninterrupted power source, inverter, charge controller and MPPT all in 1 unit
- 1 year guarantee on control unit, 3 year warranty on batteries
- Easy to install directly to your DB board. No extension leads
- Fully automated with less than 10millisecond change over in event of power failure
- Computer and DSTV will not register power failure
- Connects and controls any or all of, grid, solar, wind, hydro, battery and generator connections
- No emissions or heat from batteries allows for instillation in apartments

WHAT CAN BE OPERATED USING POWER UP?

- TV and Decoders
- Routers and Computers
- Lights
- Chargers
- Microwave Ovens
- Fridges and motorized appliances
- Security systems, gates and garage doors

Power UP can run all electrical appliances but appliances with elements and large motors such as stoves , geysers and pool pumps should be avoided.

Power Up understand that you cannot be left in the dark due to an unreliable power supply. Load shedding can have a negative impact in your home with unplanned power cuts meaning your security can be compromised, dinner often can't be cooked, children's homework can't be completed and much more!

OTHER ADVANTAGES OF INSTALLING A POWER UP SYSTEM:

- Increased value of your property
- Power Up can also supply your LED lighting and solar requirements at well below market rates
- Your system can be leased on a monthly basis*

*Approval by Real People Finance



HOW DO YOU KEEP IT BUSINESS AS USUAL WHEN YOUR ELECTRICITY IS ANYTHING BUT USUAL? WITH POWER UP YOU CAN **TAKE BACK CONTROL OF YOUR BUSINESS** AND AVOID ANY UNPLANNED DOWN-TIME AND LOSS OF PROFIT.



THE BENEFITS OF POWER UP FOR MY BUSINESS:

- Clean, tidy and small. Uninterrupted power source, inverter, charge controller and MPPT all in 1 unit
- 1 year guarantee on control unit, 3 year warranty on batteries
- Easy to install directly to your DB board. No extension leads
- Fully automated with less than 10 millisecond change over in event of power failure
- Computer, Point Of Sale and DSTV will not register power failure
Connects and controls any or all of, grid, solar, wind, hydro, battery and generator connections
- No emissions or heat from batteries allows for instillation in offices and shops

WHAT CAN BE OPERATED USING YOUR POWER UP:

- Point of sale and printers
- Routers Computers and Servers
- PABX
- Lights
- Chargers
- Fridges and motorized appliances.
- Security systems, gates and security doors

OTHER ADVANTAGES OF INSTALLING A POWER UP SYSTEM:

- Competitive advantage because you are always open for business
- No security lapses
- Can be connected in each tenant or shop ensuring that each business only pays for the power they use
- Power Up can also supply your LED lighting and solar requirements at well below market rates
Your system can be leased on a monthly basis*

*Approval by Wesbank

FREQUENTLY ASKED QUESTIONS

WHAT IS A POWER UP SYSTEM?

It is a compact and complete energy system roughly the size of your laptop computer which does all the functions of an inverter, uninterrupted power source, maximum power point tracker for solar and a charge controller, in one. The system only runs crystal batteries is delivered complete with the control unit and all batteries.

WHAT CAN I CONNECT TO THE POWER UP SYSTEM?

The system uses pure sine wave technology and will run all your lights and home appliances including energy saving lights and appliances with motors. For office use the POS, computers, routers, security systems and nominated lights.

WHAT SHOULD NOT BE CONNECTED TO THE POWER UP SYSTEM?

High-energy consumption appliances with elements and large motors should not be connected. These include geezers, pool pumps, stoves, tumble dryers, under floor heating, air conditions and high bay lighting. None of which are not essential during a power outage.

CAN I CHOOSE WHAT IS CONNECTED TO THE SYSTEM?

Yes you can. Your electrician will identify these circuits on your DB board and connect accordingly.

HOW DO I KNOW WHICH SYSTEM TO CHOOSE?

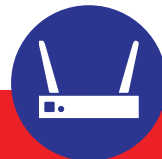
We have created an easy to use electrical power calculator available on our website. Select the types of electrical appliances you would like to keep working in the event of a power cut and for how long and it will generate an approximate electricity usage and a quote for the most appropriate solution. Alternatively contact us to discuss your personal requirements for your home or business.

WHAT DO I DO WHEN THERE IS A POWER FAILURE?

Nothing. The system automatically gives you uninterrupted power and the system will activate on it's own almost instantly (under 10 milliseconds). Likewise when the power is restored the Power UP System recognizes this and automatically switches back to grid power and will immediately start recharging the batteries.

HOW DO I CONNECT THE SYSTEM?

The system is extremely easy to install and can be done very quickly by a qualified electrician. Power Up will pay the first R500 of the connection fee which covers all straight forward connections. If your distribution board requires additional work to fit circuit breakers, separate circuits etc. the electrician will quote you directly.



HOW LONG WILL THE BATTERIES LAST WHEN THE POWER GOES OUT?

Power Up will give you up to double the time that any inverter system using deep cycle lead acid or lead gel batteries. The crystal batteries can be discharged by 100% compared to only 50% for the lead gel or lead acid batteries. Power Up sets our discharge at 80% in order to shorten the recharge times. The batteries will last according to the power you are drawing. You can calculate this on our power tables or basic times chart in our data-sheets.

HOW LONG WILL THE BATTERIES LAST BEFORE I HAVE TO REPLACE THEM?

The crystal batteries that the Power up UPS system uses will last up to 4 times the life of a normal deep cycle battery. Using an average discharge of 60%-80% on a cycle you would achieve 3,100 cycles that would equate to 8.4 years.

IS IT SAFE TO KEEP THE BATTERIES IN MY OFFICE OR MY HOUSE?

Yes you can keep them in a confined area or small space. Lead crystal batteries have no odor and expel no gas. In a small office or shop 100m², you will only require 2 to 4 batteries which will take up very little space and can be shielded with a battery cover for their protection.

IF I AM CONNECTED TO SOLAR OR WIND AS WELL AS GRID, HOW DOES THE SYSTEM KNOW FROM WHERE TO RECHARGE?

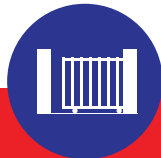
The Power up continuous supply system will be preset to draw from alternative energy before it draws from grid power. You do not have to do anything.

HOW MUCH DOES IT COST?

We have units available from R15 500. We accept payment in full as well as offer lease solutions for as little as R550 per month from Real People or Wesbank, which we can arrange for you.

DO I NEED TO BE CONNECTED TO A SOLAR PANEL TO USE THE POWER UP?

No the Power Up can be used as a pure power backup system between your batteries and the grid where you do not have solar panels. The advantage of our solar compatible unit is that you can at some stage in the future, if and when you chose to install solar, simply plug you solar installation into the control unit and it will control the flow of power from the PV panels to your home or the crystal batteries.





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