UPS Systems

The UPS is designed to keep your computing system running for a period of time after a power disruption. This enables the system to be shut down safely.

Browse our categories of Uninterrupted Power Supply {UPS}:

- Line Interactive (suitable for small to large business)
- Online (suitable for corporate users or large business)
- Industrial

**There are three types of UPS systems, which are designed for different applications.**

OFFLINE / Standby – HOME OFFICE

An offline UPS provides battery power to equipment when the mains power supply falls below a pre-determined limit
(usually around 200 V AC). This battery will usually last 10 minutes. Offline UPS units are often referred to as standby systems, as the inverter is in standby mode until the mains power supply fails.
They are inexpensive and recommended for home offices.
Offline technology should be avoided for applications where there is frequent power disturbance.
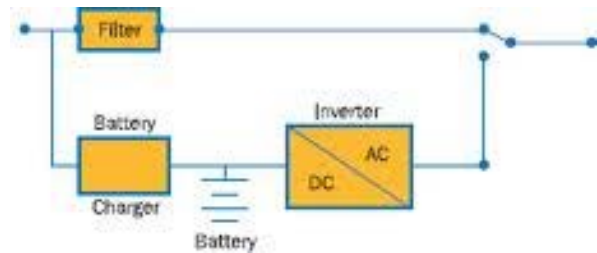
LINE INTERACTIVE – CORPORATE

A line interactive UPS contains a regulator that boosts the mains power supply when it falls. It can regulate power to an acceptable level, without the use of a battery, during a brownout or surge in supply voltage.Similar to an offline UPS, there is a short period (ie transfer time) when a line interactive UPS will switch to battery mode during a blackout.
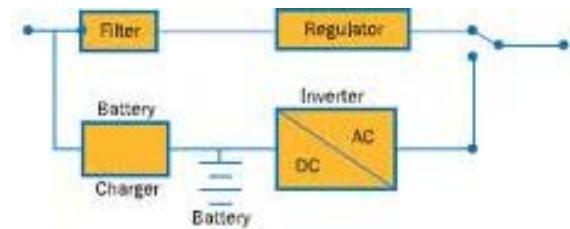

Most line interactive UPS units have additional features including sinewave output, enhanced software and connectivity options.
 They provide a high level of protection, at an affordable price, for corporate applications

ON-LINE / Double Conversion- INDUSTRIAL

True on-line UPS units provide the highest level of protection. An on-line UPS absorbs the incoming AC supply, converts it to DC then inverts it to AC to supply critical power loads. An inverter supplies regulated AC ower to loads at all times; either from rectified mains or a battery with an on-line UPS.In the event of a blackout, there is no transfer time or break in power supply.

Most on-line UPS units contain an automatic bypass to ensure continuous power supply during a short-term overload or UPS failure. They are ideal for critical loads, sensitive equipment such as medical or scientific technology and industrial loads. All on-line UPS units are fully generator compatible.
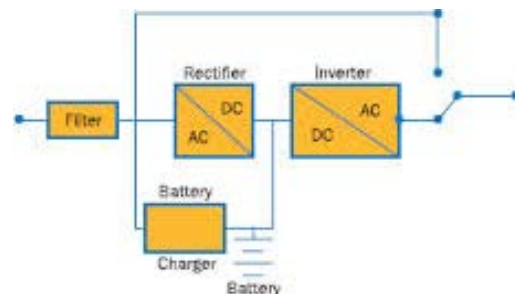
These UPS units are often referred to as double conversions because they can convert from AC–DC to DC–AC.

Why is a UPS needed?

Unsteady power quality can affect the normal operation from desktop to data centre. A UPS not only provides immediate power in case of blackout, but also provides stable and clean power under normal conditions. It improves the incoming power by regulation and filtration and also suppresses spikes caused by lightning. A UPS, is like a personal insurance policy and protects your computer equipment against power risks.

What Power Issues are solved by a UPS?

Power issue	Solution		
	Surge absorber	Regulator	UPS
Black out	X	X	✓
Sag	▲	▲	✓
Surge	▲	▲	✓
Noise	X	X	✓
Spike	▲	▲	✓
Frequency drift	X	▲	✓

How long should the UPS provide Power?

The single most important function of a UPS is to provide adequate backup power for the equipment load. The time a UPS should provide power should be long enough for users to finish running reaction procedures in case of power failure. In general, 5 to 10 minutes should be enough. If longer than this is required, you can purchase a UPS that includes an external battery cabinet(s) that will increase the UPS backup time

Do I need Communication Software?

The UPS supplies power back-up in cases of electrical network failure. However, this back-up may not be enough to cover longer cut-offs and you may not be there yourself to correctly close-down your files and your IT system.

 LOCAL VIEW communication software is designed to automatically carry out all the necessary operations to close down your system before the end of battery backup. _LOCAL VIEW_ also offers remote communication with your UPS systems:

• Status monitoring

• Control programming

• Statistics print-out for the quality of supplied power

• Remote warning via fax, Email, MS-Exchange or pager.

Brands Supplied;