

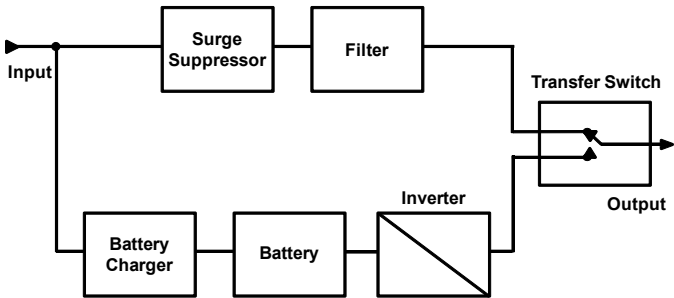
Not all UPS's are the same. Selection of the correct UPS technology to suit the application is vital to ensuring the UPS will be capable of protecting the connected equipment during power events or outages. Here we outline some basic facts to assist your decision making. Please don't hesitate to contact us for further assistance in this regard.

Technology Quick Guide:

Technology	Protection Level	Efficiency	Capacity	Cost
Standby	★	★	★	★★
Line Interactive	★★	★★	★★	★★
Pure Sinewave	★★★	★★★	★★★	★★★
Online Double Conversion	★★★★★	★★★★★	★★★★★	★★★★★

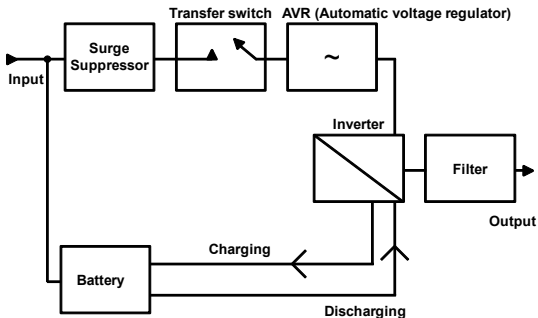
Standby

Standby is the least expensive UPS technology on the market and it has the slowest reaction time. Like its name suggests, it works by 'standing by' ready to drop in when something interrupts the incoming AC power. This slow reaction time allows damage to pass through the UPS to the protected load. Cheaply constructed, this unreliable type of UPS is known to self-sacrifice when the wear and tear caused by it 'dropping in' prove too much for it to handle or when it cannot react fast enough to protect the load. Chase Power do not offer Standby UPS's.



Line Interactive

Our entry level Line Interactive (sometimes known as Modified or Simulated Sinewave) technology costs only a little more than Standby models and has a faster reaction time. Made of sturdier components, our **Opal** and **Uluru** series UPS's represent a cost effective backup solution with excellent performance. Both series are equipped with a user-friendly graphic LCD display and built-in voltage regulator for reliable power quality. They also boast an auto restart feature. This means when AC supply resumes the UPS automatically restarts without need for human intervention. Our **Opal** and **Uluru** series UPS's have proven highly reliable for protecting equipment in areas where bad power events are infrequent or when the connected equipment has some internal redundancy.



Gem Series



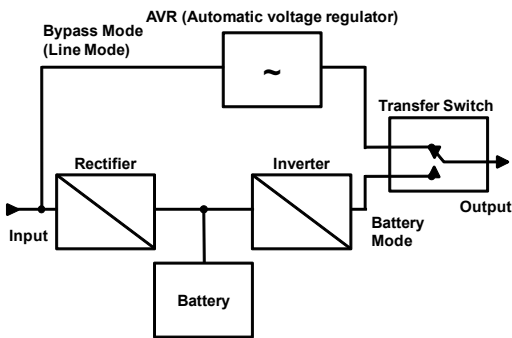
Opal Series



Line Interactive Pure Sinewave UPS

When there is risk of damage from interrupted data streams or the power supplied is considered ‘dirty’ it’s time to consider Line Interactive Pure Sinewave technology, also referred to as Line Interactive True Sinewave. Our **Alto** and **Sonata RT** series Line Interactive Pure Sinewave UPS’s are perfect for servers, NAS and computers that process multi-layered files susceptible to corruption such as MYOB, Auto CAD and Photoshop.

With an even faster reaction time, **Alto** is a very economical tower style UPS available in 1000VA to 2000VA, while our **Sonata RT** series is rack or tower configurable and boasts programmable power management and more advanced communication options. **Sonata RT** is available in 1100VA to 3000VA. This technology is only a little more expensive than Line Interactive UPS’s and it provides considerably more protection for the valuable equipment it is designed to protect.



Alto Series



Sonata RT Series



Online Double Conversion UPS

An Online Double Conversion UPS works with the batteries always connected to the inverter, so that no power transfer switches are necessary. When power interruption or loss occurs, the rectifier simply drops out of the circuit and the batteries keep the power steady and unchanged. Compared to typical Line Interactive technology which takes approximately 4-6 milliseconds to react in the event of power interruptions, Online Double Conversion provides an instant “electrical firewall” between the incoming utility power and sensitive electronic equipment.

Our **Emerald**, **Diamantina RT** Series are recommended when single phase ‘mission critical’ protection is required. Equipment in hospitals, banking, factory production, mining, laboratory, telecommunications, IT infrastructure, education and retail outlets often require this level of protection. Whenever you need to pair a UPS with a generator, solar array or single wire earth return (SWER) line, an Online Double Conversion UPS is essential.

Diamantina RT Series

Emerald Series

