

# Company Overview



AlfaTronix have been awarded the TradePartners UK Regional Languages for Export Award for outstanding achievement in overcoming language and cultural barriers in global trade. Expansion is continuing into Europe and recently sales have begun into North and South America.

AlfaTronix consistently wins awards for quality and innovation in production and is accredited to ISO9001. The assembly area uses World-Class Manufacturing techniques to mistake proof, prevent waste and continuously improve.

The company excels at producing voltage converters that are compact, cool running, and emit negligible levels of RFI. The products are assembled using surface mount assembly technology to improve reliability and reduce cost.

**Alfa**TRONIX

AlfaTronix was established 25 years ago to manufacture reliable voltage converters for the marine market. The converters supplied communications and navigation equipment, often used in life threatening situations. Today, AlfaTronix Ltd manufacture DC to DC and AC to DC voltage converters for all types of mobile electrical systems fitted on vehicles, vessels and aircraft.

The company is based in Poole, Dorset, on the South Coast of Britain and employs 25 people. Annual sales are over £2M and, with customers in over 30 countries, exports now make up the majority of production. The distribution system is constantly evolving and the company is always on the lookout for fast moving distributors.

Poole is where the head office and manufacturing facility is located. AlfaTronix Sarl is a sister company in Paris with French, Spanish and Italian language skills and our sales literature is available in 10 languages.



AlfaTronix  
Voltage  
Converters

*for use on*  
vehicles,  
vessels *and*  
aircraft

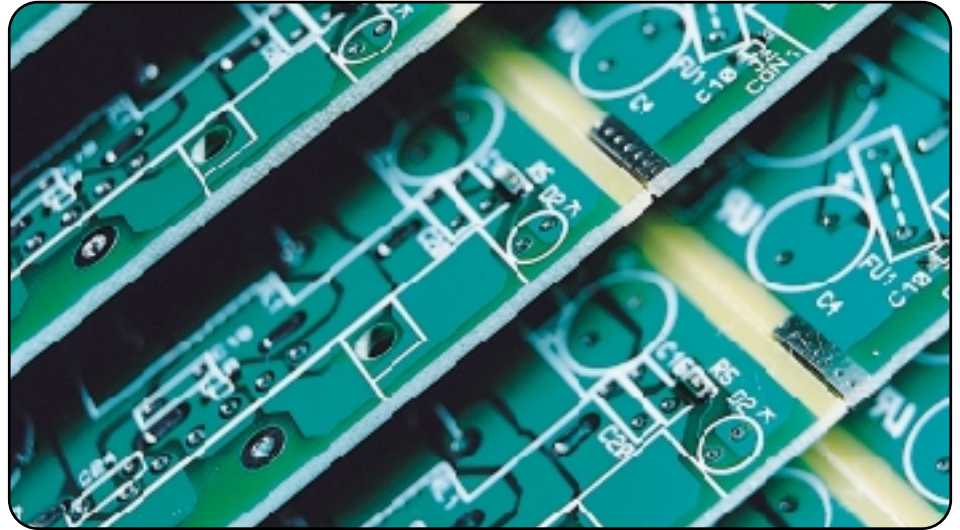
# Product Overview

The AlfaTronix voltage converter range is designed to supply electronic equipment fitted to vehicles, vessels and aircraft as well as a variety of static applications.

The product range has been divided in two depending upon the voltages they handle. The AD Series of products offer a convenient way to use 12Vdc, 24Vdc or 48Vdc equipment from 115Vac or 230Vac mains supplies. The Desktop range are a sub group of products within the AD Series. They offer a convenient way to convert 12Vdc mobile radio transceivers for use as desktop base stations. The PowerVerter series of products offer a convenient way to operate mass produced 12Vdc equipment from the 24Vdc mobile electrical systems used on vehicles, vessels and aircraft.

Both series of converters operate in switch mode and are assembled using surface mount technology.

All the products may be used for constant voltage lead-acid battery charging providing the battery manufacturers guidelines are followed.



## The AD Series AC-DC Voltage Converters

These power supplies, commonly referred to as *brick in the lead* units, offer a convenient way to use 12Vdc, 24Vdc or 48Vdc equipment from alternating current supplies of between 85 to 135Vac and 170 to 265Vac. The AD Series accept a wide frequency of AC input including 50, 60 and 400Hz. Input voltage selection is automatic and requires no manual adjustment. The continuous power rating spans 36 to 240 watts in five models. The nominal voltage output is factory set at 12Vdc, 24Vdc or 48Vdc.

The units may be used to supply Radiotelephones and other appliances from ac mains used in offices, portable site cabins, communication cabins, telephone exchanges, remote antenna sites, ships, oil rigs, etc.

The AD Series Desktop range are a sub group of products within the PowerMaster series and are commonly referred to as *wedge* units (see the desktop leaflet). They offer a convenient way to convert 12Vdc mobile radio transceivers for use as desktop base stations. These products are designed to connect directly with the transceiver to make one solid, self-standing desktop unit.

The PowerMaster units have been approved to the European Low Voltage Directive and are CE Marked. They also meet the requirements of UL1950 and FCC Class B.

## The PowerVerter 24Vdc-12Vdc Voltage Converters

These converters offer a convenient way to operate mass produced 12Vdc equipment from the 24Vdc mobile electrical systems found on diesel engined vehicles and vessels and the 28Vdc systems found on aircraft.

The PowerVerter series consists of ten products from 3 Amps to 30 Amps in isolated or common earth configurations. They have been optimised for high volume 24Vdc to 12Vdc applications such as on heavy goods vehicles, coaches, buses, construction, forestry and agricultural vehicles as well as commercial vessels, yachts and many types of light aircraft.

All products in the PowerVerter series are CE and e marked. They all meet the requirements of FCC Class B.

## The DD Series DC-DC Voltage Converters

Like the PowerVerter, these converters offer a convenient way to operate standard equipment on alternative dc systems. Configurations include 12Vdc-12Vdc and 12Vdc-24Vdc.



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