

Power

European leader in advanced
technology solutions



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consult. design. integrate.

About Acal BFi

Acal BFi are Europe's leading provider of advanced technology solutions, operating in 12 countries throughout Europe.

We offer products across specialist technology areas, each with a dedicated pan-European sales team. Customers use our design-led expertise and expert consultation services to find the best technology solutions for their design, prototype and production needs.

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Products and support

- | | |
|-----------------------|--------------------------|
| Cables and Connectors | Electromechanical |
| Embedded computing | Fibre optics |
| Imaging | M2M and Wireless modules |
| Magnetic components | Photonics |
| Power | RF and Frequency control |
| Semiconductors | Sensors |



A wide choice and expert support

With a broad product portfolio which includes some of the industry's most respected and innovative power-supply manufacturers, our standard range starts at 1W DC/DC converters, includes external, medical and goes up to 100kW AC/DC for customised power-supply units.

The flexibility of our portfolio and network of expert partners, combined with in-house design and customisation, means we can help you find, customise or design a reliable and efficient power supply for your application.

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Standard or customised power supplies

Acal BFi's power team can help you balance the technical and commercial decisions for supplying power for competitively priced commercial, industrial and medical applications, or for products which operate in the most extreme or mission-critical environments.

We help you to take time out of your design-to-production process by using specialist knowledge to consider the total cost of ownership and lead times, as well as your design's electrical, mechanical and physical criteria.

Standard products

Our experts can advise on the best off-the-shelf solutions from our extensive range of quality suppliers.

Modified standard products

We can take standard products from a number of our suppliers and configure them specifically for your needs, thereby optimising functionality and performance for your application.

Custom design products

Where standard or modified standard products will not suffice, we have the skills, experience and suppliers to design, build and supply completely bespoke power solutions. We also have wholly owned Acal BFi Group companies who specialise in power supply and magnetic solutions:



Myrra are a globally recognised provider of custom magnetic components, specialising in the production of high-quality, high-reliability transformers, inductors, chokes and coils.

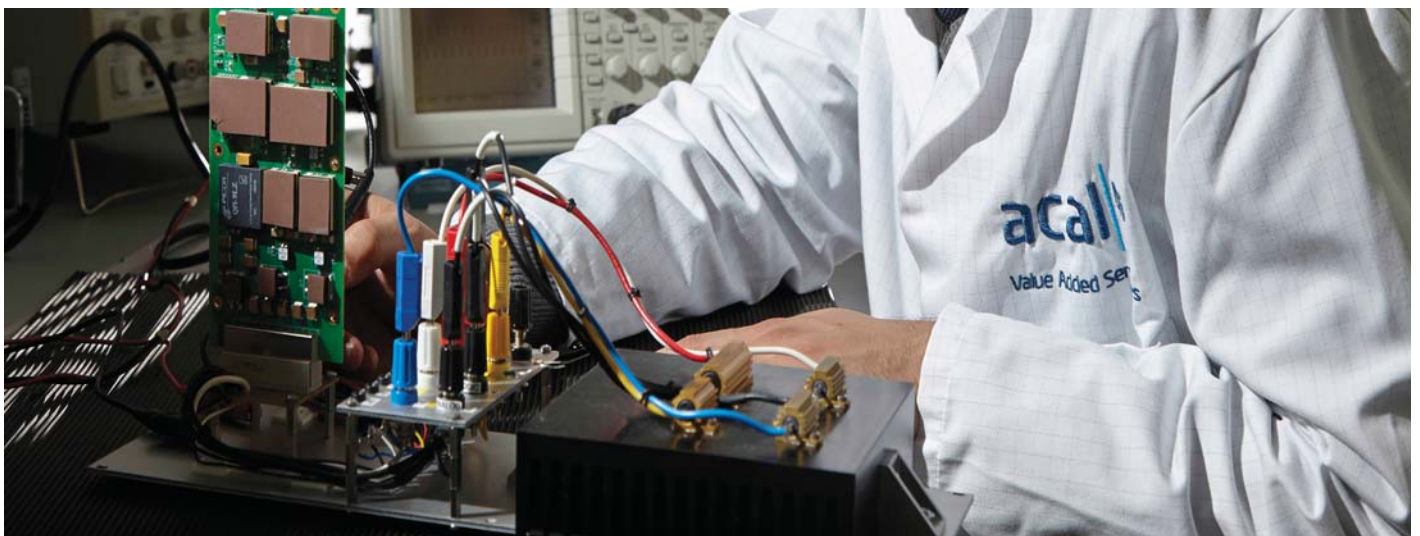


Noratel are one of Europe's leading suppliers of transformer products and know-how. They are renowned for their high-quality wound components.



RSG Electronic Components GmbH have more than 25 years' experience in developing customised power supplies for a wide range of demanding applications.

In-house customisation can help you reduce manufacturing time and costs, by integrating special interfaces and enclosures, whilst our in-house EMC pre-compliance testing helps to fast-track your power supply towards local or global EMC approval.



Key partners overview

Acal BFi work with the leading manufacturers in their field offering you a complete solution for your power needs.



Acal BFi provide a range of custom and bespoke power solutions to a range of customers and industries.



Bothhand Enterprise produce DC/DC converters and LAN power supplies for a broad range of blue-chip customers.



Cincon are a global supplier of switch-mode, power-conversion products to the medical, communications, industrial and consumer markets.



Excelsys design and manufacture high-power density, high-efficiency power supplies for a variety of specialist markets.



FSP (Protek) are dedicated to the design and manufacture of switching power supplies for a myriad of applications including medical, telecommunications, POS and control systems.



HiTron are a switching power supply manufacturer of, AC/DC, DC/DC, Compact PCI, rack, module and DIN rail units for a wide range of markets.



ICCNexergy are the industry leader in custom rechargeable power systems including lithium-ion battery packs, battery chargers, docking stations, and highly efficient power supplies.



Mornsun are a leading industrial power supply manufacturer headquartered in mainland China, providing complete power solutions.



Premium design and produce power conversion systems, principally custom products and solutions for markets which require high-quality, high-reliability and extremely resistant products.



SL Power Electronics have been an industry leader in externally and internally mounted power conversion solutions for over 30 years.



Yuasa are world leaders in valve-regulated lead-acid-battery design and manufacture.



Zippy Technology Corporation manufacture high-performance power supplies for computer network systems, communication systems, industrial equipment, medical devices, telecom/broadcast systems, and wind power applications.

Key technologies and suppliers

AC/DC power



DIN rail mounted

- 50W to 250W
- DC o/p volts from 3.3V to 48V
- Industrial



Enclosed OEM

- Medically approved
- 40W to 1600W
- Industrial / ITE



External

- 5W to 250W
- Wall mount and desk top
- Medically approved versions
- Erp Level V compliant



Modular

- 400W to 1.4KW
- Up to 12 separate outputs
- Wide range AC input
- Medically approved versions
- Card and chassis mounting



Open frame

- 5W to 350W
- Industrial and medical versions
- Universal AC input



PCB mounted

- 4.3W to 60W
- Universal AC input range
- Compact size



DC/AC (inverter)



DC/AC (inverter)

- Sine wave
- 180 to 300VA
- Open or enclosed
- DIN rail mount options



DC/DC power



DC/DC converters

- 1W to 600W
- Isolated and non isolated
- Wide range of input and output voltages



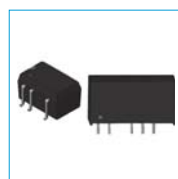
Enclosed

- 30W to 2000W power
- 24V to 154V input
- 5V to 110V output



Open frame

- 40W to 110W power
- 10V to 90V input
- Up to 4 outputs



PCB mounted

- Variety of input ranges
- Output ranges from 1W to 700W
- Different package sizes



Specialist power



Batteries

- Sealed lead acid
- Standby
- Heavy duty



Battery chargers

- Lithium-ion, lead acid, NiMH.NiCd
- External
- Universal AC input



Custom power supplies

- Range of value add designs
- Modified standard products
- Custom design products



LED lighting power

- Constant current
- Constant voltage
- Dimming



Power over Ethernet

- 15W to 80W
- IEEE 802.3 compliant
- 10/100 BASE T
- 10/100/1000 BASE T



	AC/DC power						DC/AC (inverter)			DC/DC power			Specialist power			
	DIN rail mounted	Enclosed OEM	External	Modular	Open frame	PCB mounted	DC/AC (inverter)	DC/DC converters	Enclosed	Open frame	PCB mounted	Batteries	Battery chargers	Custom power supplies	LED lighting power	Power over Ethernet
Acal Bfi							•					•	•	•		
Bothhand Enterprise															•	
Cincon		•	•		•			•	•	•					•	
Excelsys				•										•	•	
FSP		•			•				•							
HiTron	•		•		•	•		•		•						
ICCNexergy			•		•											
Mornsun															•	
Myrra														•		
Noratel														•		
Premium							•									
RSG														•		
SL Power Electronics		•	•											•	•	
Yuasa											•	•				
Zippy		•			•				•	•						



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