



About The Company

Power Capacitors Limited *is* "Power Quality Solutions"

The company has specialised in all aspects of Power Quality since 1973. Our experience is as diverse as our customer base which for over 45 years has always included large multi-national manufacturing, financial and utility companies as well as SMEs and private individuals. Whether you need a quick telephone consultation or a full set of surveys and specifications we are always willing to make ourselves available to customers old and new. As undisputed experts in the field of power quality we relish the challenge and are always comfortable in sharing our wealth of expertise with you.



We have a range of products and services in the power quality field which is second to none.

These include the distribution of specialist power electronics capacitors, as well as the servicing, maintenance and installation of any type of Power Factor Correction equipment. As a specifier, contractor or end user you can be sure of speaking to an expert who understands your industry inside out and can offer concise and cost effective solutions.

Technical Support



Our technical support team is always available, either on the end of the phone or happy to visit you personally on site to discuss your requirements. Maybe you have concerns about the operation of your existing equipment whatever the manufacturer, or need an upgrade or service.

- » *Perhaps a quick and FREE site survey could help you decide whether power factor correction is the way forward for you?*
- » *Maybe you have tried various solutions to an existing power quality problem and just need some free friendly advice?*
- » *As a specifier you may need technical documentation or confirmation of operating criteria.*

Whatever the problem, if it's to do with power quality, then it has to be Power Capacitors Limited.

Products and services

PFC – Power Factor Correction

The use of capacitors to supply reactive power and achieve Power Factor Correction is a well-proven technology, and one offered by Power Capacitors Ltd for over 45 years. An acknowledged market leader, the BlueLine PowerCab and PowerCabPlus are supplied in standard and bespoke designs for every requirement in every industry.

AHF – Active Harmonic Filters

Active Filters are able to almost instantaneously measure and compensate for the harmonic currents emitted by today's high efficiency and energy saving devices. Keeping the supply voltage 'clean' keeps loads running reliably for longer. Active Filters can also be used to supply reactive power, and to correct the imbalance in unbalanced loads. The improvements in supply security and the reduction in energy costs are welcomed in every application. Every modern Industrial, Commercial or Residential installation would benefit from the application of a suitably rated, well specified and properly commissioned Active Filter system.

HPQ – Hybrid Power Quality

The HPQ solution involves the seamless combination of both PFC and AHF devices into a single system, where both power factor and harmonic distortion are both controlled by a single piece of equipment. This offers a two-fold advantage of not only achieving all the Power Quality and Cost Saving benefits of both technologies, but by only installing a single system, the initial costs and return on investment are both improved.

UPQ – Uninterrupted Power Quality

Traditionally, extremely sensitive loads such as Data Centres and Medical Facilities would be protected by Power Factor Correction, Active Harmonic Filters, and an Uninterruptible Power Supply (UPS). The UPQ system combines all these functions into a single piece of equipment, with the expected reduction in size and cost at the time of installation. Once commissioned, the offline nature of the UPQ solution, when compared to a typical online UPS system, can result in energy savings amounting to many tens of thousands of pounds per annum.

ESS – Energy Storage System

The commercial and technical benefits of Energy Storage Systems are being recognised and adopted at an exponentially increasing rate across all market sectors. All sites with embedded generation are able to maximise the commercial gain from their generating equipment whether solar, wind, hydro or biomass.

Industrial and Domestic loads with clearly defined periods of peak consumption are able to reduce their energy costs by employing peak-shaving techniques. Larger sites with suitable energy storage systems and grid connections are able to earn revenue by employing Demand Side Response strategies such as Frequency Regulation, Voltage Control, and Demand Reduction.



SS – Site Services

Power Capacitors Ltd has the country's largest team of specially trained PFC and Power Quality engineers, able to perform:

- » Site Surveys
- » Installation
- » Maintenance
- » Repairs
- » Upgrades

These services are offered on all Power Factor Correction and other Power Quality equipment, regardless of manufacturer.



Why use Power Capacitors?

Delivery - Once the decision is made to install power factor correction equipment then the sooner the equipment is installed the quicker it starts to pay for itself. Our fast, efficient ISO 9001 approved manufacturing facility is able to do just that.

Cost v Performance - The PowerCab & PowerCabPlus have a proven pedigree in outstanding, reliable performance coupled with impressive payback periods of between one and two years.

It's ALL we do - Power Quality is ALL we do at Power Capacitors. For over 45 years we have led the way in technology and reliability and are acknowledged specialists in the field.

Service & Support - We understand that a customer relationship is ongoing, which is why we not only supply your product but offer servicing, maintenance and a reliable source of information and support for all your PFC and PQ needs.

Quality Standards - We are a BS EN ISO9001 quality assured manufacturer. When on your premises, we work to safe contractor procedures and BSI approvals. Power Capacitors are NICEIC registered, so you can always be assured that whether we are building your equipment in house or on your site, we work to the same high standards you do.



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