



KEEPING THE POWER ON FOR OVER 28 YEARS

Advanced *Power Conversion* Solutions

BPC Energy Product Index



 **SCAN ME**



THE BRITISH POWER CONVERSION COMPANY TM

Who we are

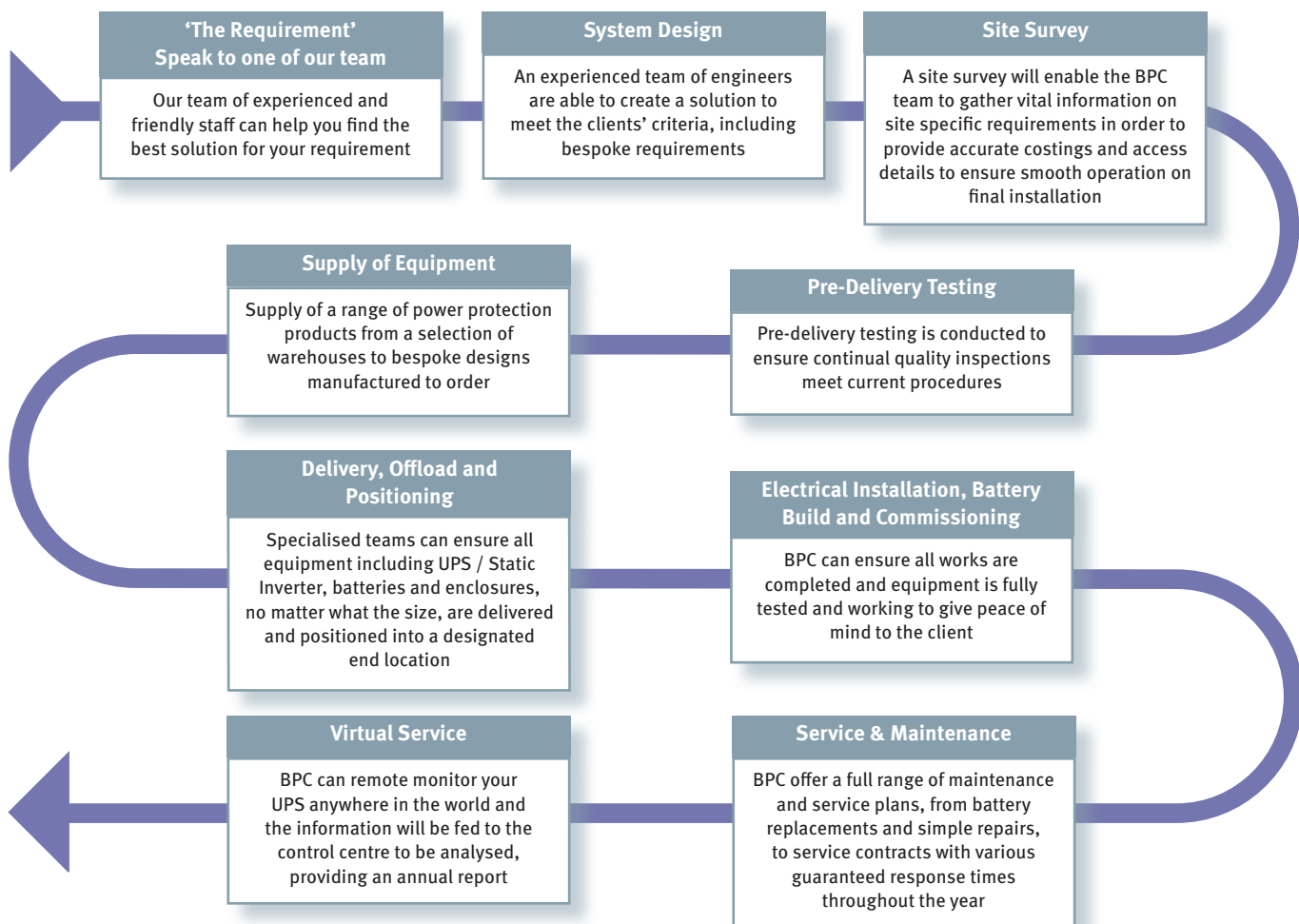
Founded in 1996, The British Power Conversion Company, based in Romsey, Hampshire, is an independently owned international corporation offering an established and effective range of power protection products and services to a broad spectrum of industries and sectors.

With over 28 years of experience, our business has evolved and we no longer just operate under the traditional fields of UPS Systems and Batteries. Our continued growth in manufacturing of Modular UPS, Static Emergency Lighting Systems, Long Runtime Inverters and Static Transfer Switches for critical applications has developed into a major part of our group. We are also actively developing PV (Solar) and associated products for Wind and Turbine Generators to address the major growth in the 'Renewable Energy' market.



MADE IN
UNITED KINGDOM

The BPC Group has seen BPC Energy evolve as the predominant company for the manufacturing and distribution of power protection products, alongside a dedicated distributor network in Europe, Middle East and Africa.



BPC Product Index



PowerStar i & PowerPrem+ UPS Series 600VA – 5kVA

BPC have a range of Small Office/Home Office related Line Interactive UPS products designed to offer total power protection to a broad range of commercial, IT and Telecommunication environments.

- Microprocessor based design
- Built-in USB and/or RS232 communication port
- Overload protection
- Boost & buck AVR for voltage stabilisation
- Ideal for PC, IT and Telecom Applications



PowerGem Plus UPS Series 1kVA – 3kVA

The PowerGem Plus range has a modern Tower LCD design with emphasis on providing a reliable and stable power performance for any IT Manager who needs a more economical solution.

- Online true double conversion
- Digital Signal Processor (DSP) technology
- True sinewave output
- Practical multi-functional LCD display
- USB communication port
- ECO mode operation for energy saving



PowerGem Plus RT UPS Series 1kVA – 10kVA

The BPC PowerGem Plus RT Series is a complete enterprise solution allowing IT Managers to integrate into all types of networking environments. Emphasis on Energy density, unity power factor, convertible design, increased runtime options and easy to configure LCD control panel allowing any client to have total flexibility.

- Online True Double Conversion
- Digital Signal Processor (DSP)
- True Sinewave Output
- Intelligent LCD display with self-diagnostics ECO mode operation for energy saving
- Multiple communication ports
- 6kVA & 10kVA models can parallel up to 4 units
- Tower / Rackmount convertible design



Outdoor PowerPrem Series 2kVA

The PowerPrem Outdoor 2kVA UPS is designed to keep your system operational in adverse conditions specifically for harsh environments and operating temperatures from -40°C to +70°C. The system is a robust unit complete with an LCD display panel providing control, measurements and fault analysis, whilst boasting full intelligent communication options including RS232, USB and SNMP, making it ideal for more challenging applications.

- Wide Automatic Voltage Regulation (AVR)
- Designed for harsh environments (-40°C to +70°C)
- Intelligent communications with RS232 USB and internal card slot for optional SNMP Ethernet interface
- LCD control panel
- Independently programmable dry contact relays
- Event alarm logging
- 3 stage battery charger
- Temperature compensation
- Conformal coating optional



PowerPrime UPS Series 10kVA – 200kVA

The PowerPrime is an enhanced UPS design with full range of options and accessories to meet the demands of sophisticated network environments, including high efficiency, unity power factor and advanced touch screen display suited for mission critical applications.

- Online true double conversion
- 1/1, 3/1 or 3/3 configuration depending on model
- Advanced touch screen display
- High AC/AC efficiency at 96%
- Intelligent event history/logs
- Unity output power factor
- Larger internal charger for long runtimes
- Parallelable up to 4 units as standard
- Standard dual feed
- Adjustable internal battery

BPC Product Index



PowerPro EF 300R Series 10kVA – 400kVA

The Eco-friendly UPS is a combination of BPC's advanced digital signal processor control technology and a firm pursuit of a green manufacturing philosophy, resulting in a UPS design utilising the latest generation power components and improved conversion circuit topology in order to maximise efficiency.

- Modular DSP architecture
- Advanced communications
- Intelligent battery management & protection
- Low running costs
- Space saving design
- Advanced graphic display
- Intelligent management & maintenance system



PowerPro EF300XU Series 100kVA – 400kVA

The EF300X series is the latest in the established PowerPro product range and introduces complete 3 level rectifier and inverter technology offering one of the highest efficiency and energy density products on the market. Combine this with BPC's advanced Digital Signal Processor (DSP) control technology with advanced touch screen 7" colour display panel and we achieve our pursuit of a green manufacturing philosophy.

- 3 DSP controlled modular Technology
- Complete 3 level topology
- High input power factor
- Higher efficiency up to 96.5%
- Static and maintenance bypass switch
- Advanced touch screen 7" colour display
- Intelligent management & maintenance system
- 3 level rectifier technology
- Unity power factor



PowerPro EL Series Static Inverters & CBS 1kVA – 160kVA

The PowerPro EL ranges are static inverter systems designed specifically for emergency lighting applications according to European BS EN50171 specifications and BSI approval. A highly versatile range not only providing capacity up to 300kVA, but also a comprehensive bespoke range of AC/DC Central Battery Systems with nominally 24V, 48V, 50V and 100V options.

- True sinewave and PWM
- Microprocessor controlled technology
- DC short circuit protection
- LCD panel providing accurate and detailed information about load, batteries and inverter
- Advanced diagnostics
- R5232 and dry contacts for communication and remote monitoring
- Single and three phase options



Central Battery Units 1kW – 50kW

The BPC Central Battery Unit (CBU) is designed to deliver complete emergency lighting protection for a range of applications in accordance with BS EN50171 specifications.

All BPC CBUs are manufactured in the UK to our customers' bespoke requirements.

- Single or three phase
- 24/48/110/220 volt operation
- AC output in normal operation and DC output during mains failure
- Maintained and non-maintained output
- Multiple output options
- External test switch option
- Last man out option
- Site control timer option
- Test key switch with 10/60/180 minute activation
- Internal battery

BPC Product Index



Medical Isolated Power Supply (MIPS) 10kVA

MIPS products are electrical Medical IT systems which are isolated from earth and enable fault monitoring.

Normally associated with operating theatres and other group 2 locations.

Supported applications: Critical support for operating theatres and Intensive Care Rooms etc.

- Providing PATIENT safety
- Reducing electrical shock hazard
- Reducing tripping of breakers during earth fault
- Providing monitoring and alarms for normal and abnormal conditions
- Remote panel options – Local Alarm Panel (LAP), Central Alarm Panel (CAP), Operating Room Panel (ORP)



PowerSolar Inverter Series 3000VA – 5000VA

The BPC PowerSolar Inverter combines functions of an inverter, solar charger and battery charger to offer uninterruptible power. The LCD display offers comprehensive user-configurable information such as battery charging current, AC/Solar charger priority, and acceptable input voltage depending on the application.

MPPT – Maximum Power Point Tracker system. Its function is to maximize the energy available from the connected solar module arrays at any time during its operation.

- Pure sinewave solar inverter
- Wide DC input range
- Overload and short circuit protection
- Auto restart while AC is recovering
- Smart battery charger design for optimized battery performance
- Compatible to mains voltage or generator power
- Selectable high power charging current

PWM – Pulse Width Modulation. Used in inverters to give a steady output voltage irrespective of the load. PWM Inverters have additional circuits for protection and voltage control.



PowerCentre Static Generator System 50kW – 600kW

PowerCentre is an intelligent, clean and modular static generator system integrating Lithium Ferro Phosphate (LFP) batteries, bidirectional DC/AC converters, Solar Converters, Static switches and Power management systems. PowerCentre can be used to directly connect to the grid power supply, an off grid power supply or as an off grid uninterrupted power supply.

The system can be developed to access renewable energy, power grid, or diesel generator as well as configuration and scientific utilisation to provide users with green, environmental protection, noise free, high reliability and high security power services.

- Green energy utilisation
- Long cycle life
- High quality LFP energy storage cells
- Intelligent air cooling design (heating optional)
- IP54 Safe and reliable in outdoor environments
- Integrated BMS, DC, AC multi-layer protection
- No air conditioning resulting in high energy efficiency
- Integrated system with ease of maintenance and capacity expansion
- Intelligent multi energy management with easy access to multiple energy sources
- Remote monitoring and equipment management with remote troubleshooting and data analysis



PowerTower Green CMS Series 15kVA – 1200kVA

The 1200kVA UPS is the largest single-power module technology in the industry, using 3 level inverter technology to improve the reliability and efficiency of the UPS. The 15kW/25kW/50kW/75kW modular, redundant configuration allows the system to achieve on-demand capacity, and dynamic growth.

- Flexible modular scalable design
- Reduced installation costs
- Unity power factor
- 15kVA/15kW, 25kVA/25kW, 50kVA/50kW and 75kVA/75kW modules
- ECO feature
- Compatible with VRLA, Ni-Cad & Lithium batteries
- 3 modes of operation
- Touch screen display
- Energy storage feature

BPC Product Index



Lithium Battery Energy Storage System

2kWH – 96kWH

This Range is available in High-C Rate and Medium-C Rate options which can be used in conjunction with UPS systems. Lithium Ion Battery Energy Storage System is particularly efficient in the Utility & Commercial ESS industries. Lithium Ion batteries are typically lighter and smaller than lead-acid batteries. They also have a longer life with shorter backup time and less battery capacity.

- Modular design
- Multiple systems can be used in parallel
- 3 level safety protection design; fuses, circuit breakers and contactors to protect DC
- Long life cycle, 4,500 deep discharge cycles
- Front operation and maintenance, forward air in, upper air out
- Wide temperature range
- Touch screen monitor displays system operating status, voltage of each cell, battery SOC, SOH in real time



Outdoor Cabinets High IP Cabinet Solutions

BPC can provide customised outdoor cabinets designed and adapted to suit all your specifications and requirements.

Using high quality materials, all standard versions are sand blast and water blast proof, with a protection degree that can reach IP55. A variety of options and accessories are available including bespoke air conditioning and anti-condensation heaters if required.

- Flexible design
- Configurable panels and doors
- IP55 protection (IP65 available on request)
- Ventilation grilles on all panels and doors
- Forced air ventilation can be added
- Double wall
- Double roof which permits air flow
- Finish according to RAL requirements
- 19" rackmount profile options
- Testing in homologated laboratories



PowerStor PSL Battery Range High Rate

BPC is at the forefront of modern power protection technology and our expertise in the design, development and manufacture of battery systems is suitable for very long-life Eurobat design in the critical UPS, industrial and emergency lighting sectors.

- Designed for high rate discharge
- Low self-discharge
- Electrolyte suppression system (AGM)
- Compact PowerStor design
- Deep discharge recovery
- Solar Cycling Applications
- Long cycle and longer battery design life with 12 years
- Flame retardant UL-94 (optional)



PowerStor PSLW Battery Range Medium Rate

Developed by BPC for more medium rate discharge applications requiring longer autonomy but still matching Eurobat high quality requirements that offers excellent value for many UPS and other diverse installations.

- Designed for medium rate discharge
- Multi-alloy grid, with high corrosion resistant performance
- Excellent charge acceptance ability
- Exceptional deep cycle discharge capability
- Strong high and low temperature performance
- Long cycle and battery life – 10 years
- Flame retardant UL-94 (optional)

More....

- Home Inverters
- Static Transfer Switches
- High IP Cabinets
- Remote Monitoring Panels
- Solar Bespoke Commercial Solutions
- Networking – SNMP, AS400, Environmental Monitoring
- Bypass Switches
- Frequency & Voltage Converters
- Other battery technologies are available with NICAD, GEL, OPzV and Lithium Ion options

