



**KEEPING THE POWER ON** FOR OVER 25 YEARS

Advanced *Power Conversion* Solutions

## **BPC Energy Product Index**



 **SCAN ME**



THE BRITISH POWER CONVERSION COMPANY <sup>TM</sup>

## New Products 2022



### PowerPrime UPS Series

**10kVA – 60kVA**

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
- 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



### Lithium Battery Energy Storage System

**5kWH – 125kWH**

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



### PowerTower Green CMS Series

**300kVA - 1200kVA**

The 1200kW 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



### 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



### 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.

- 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

**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.

**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.



### PowerPro EF Compact Series 10kVA – 30kVA

The PowerPro EF Compact Three Phase Online Double Conversion UPS is an extension to the established PowerPro product range, introducing a versatile compact design with 3 level topology providing a space saving solution for the ever conscientious IT manager.

- Compact space saving design
- 3 level topology
- Low input current total harmonic distortion (THD)
- High input power factor
- High efficiency up to 94%
- Advanced graphic display
- Intelligent management & maintenance system

## 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 Elite EF300XU Series 120kVA – 200kVA

The new ELITE 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 – 200kVA

The PowerPro EL ranges are static inverter systems designed specifically for emergency lighting applications according to European BS EN50171 specification 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



### PowerStor Battery Range

BPC is at the forefront of modern power protection technology and our expertise in the design, development and manufacture of special and custom battery systems enables us to meet the diverse needs of the leisure, industrial, commercial, emergency services, medical and defence markets.

- Low self-discharge
- Electrolyte suppression system
- Compact PowerStor design
- Deep discharge recovery
- Solar Cycling Applications
- Flame Retardant and EUROBAT designs
- Other technologies are available with NICAD, GEL, OPzV and Lithium Ion options



### More....

- Home Inverters
- Static Transfer Switches
- High IP Cabinets
- Remote Monitoring Panels
- Solar Bespoke Commercial Systems
- Networking – SNMP, AS400, Environmental Monitoring
- Bypass Switches
- Frequency & Voltage Converters