

# PowerOn™ Series

Single Phase Input & Output True Online Double Conversion UPS  
1kVA – 3kVA

- » Versatile
- » Hot Swap Batteries
- » Energy Saving

VFI



The BPC PowerOn is a unique range of high density UPS systems that can be installed either on the floor in tower form or in rackmount cabinet configurations powering a wide range of applications.

The PowerOn is intelligent with flexible and easy to configure energy saving options from the front backlit LCD control panel for the ever conscious client trying to keep running costs to a minimum.

The range is equipped with the latest digital signal processor (DSP) technology with versatile features demanded by IT Managers enabling integration into all types of networking environments. More powerful battery chargers can be added so that business continuity can be extended using long battery runtime options.

- » Data Centres
- » Financial Services
- » Healthcare
- » Industrial
- » Telecommunications
- » Mission Critical

## PowerOn Features

### RACK/TOWER CONFIGURATION

The PowerOn range is extremely versatile and designed to have the flexibility to use as a floor standing tower type UPS or to be integrated into the clients' 19" rack cabinet. Each system is supplied with a mounting kit allowing the user to choose either option of operation.

The enhanced LCD display can be manually positioned and programmed for use as a rackmount or tower unit to suit the mode of operation by simply removing and rotating the display panel.



### ADVANCED FUNCTIONAL LCD DISPLAY

The PowerOn DSP controlled UPS provides an intelligent high density system suitable for powering a wide range of devices both simply and accurately.

A precise backlit LCD fully comprehensive display allows all the key parameters, alarms and indications to be shown.

### HOT SWAPPABLE BATTERIES

A key advantage of the PowerOn range of UPS is hot swappable batteries as this feature allows the user to replace batteries during operation without interruption to the load.



- True online double conversion
- Digital Signal Processor (DSP) technology
- Wide input voltage (110V – 300V)
- Tower or Rackmount convertible design
- Hot swappable battery design
- Intelligent self-diagnostics
- Pure sinewave output
- Multiple communication ports
- Emergency Power Off (EPO) function
- Long runtime versions – optional large chargers
- Matching battery cabinets
- ECO Mode operation for energy saving
- Frequency Converter Mode

### MATCHING BATTERY CABINETS

For mission critical applications requiring longer runtime of higher specification batteries, additional matching battery cabinets can be added. These have been designed both technically and aesthetically to complement the UPS, forming a combined unit which can be easily located without need for special site considerations.



### ENVIRONMENTALLY FRIENDLY ENERGY SAVING

The intelligent microprocessor based control system allows for the very low power consumption offered by the interactive ECO Mode which provides efficiencies as high as 98%. PowerOn switches instantaneously to online double conversion operation automatically when the mains becomes unstable and fluctuates outside the normal frequency and voltage parameters.

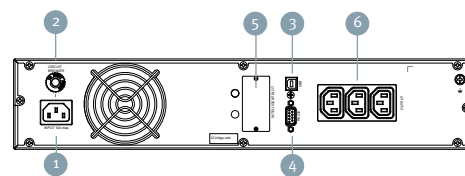
# PowerOn

## Technical Specification

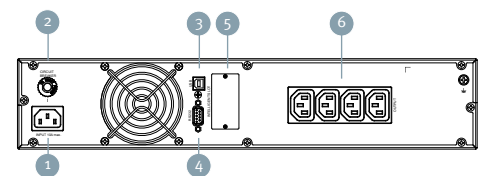


MODEL	PON 1K (L)		PON 2K (L)		PON 3K (L)		
Power Rating VA / Watts	1000 / 800		2000 / 1600		3000 / 2400		
<b>INPUT</b>							
Nominal Voltage	200 / 208 / 220 / 230 / 240 Vac						
Voltage Range	160 - 280 Vac (load dependent)						
Frequency Range	40 - 70 Hz						
Power Factor	>0.99 @ 100% Load						
<b>OUTPUT</b>							
Nominal Voltage	200 / 208 / 220 / 230 / 240 Vac						
AC Voltage Regulation (Battery Mode)	±1%						
Frequency Range (Synchronised Range)	47 - 53 Hz or 57 - 63 Hz						
Frequency Range (Battery Mode)	50 Hz ±0.25 Hz or 60 Hz ±0.3 Hz						
Crest Factor	3:1						
Harmonic Distortion (Linear Mode)	≤3% THD						
Transfer Time (AC to Battery)	Zero						
Waveform	Pure Sinewave						
<b>EFFICIENCY</b>							
AC Mode	88%		89%		90%		
Battery Mode	83%		87%		88%		
<b>BATTERY</b>							
Battery Type	VRLA AGM Sealed Lead Acid Maintenance Free Batteries						
Battery Numbers	2 x Internal		4 x Internal		6 x Internal		
Typical Recharge Time	4 hours recover to 90% capacity						
Charging Current (max.)	Standard Models		1A				
	Long Runtime Models		1A / 2A / 4A / 6A				
<b>GENERAL</b>							
Operating Humidity	20 - 90% RH @ 0 - 40°C (non-condensing)						
Acoustic Noise Level	≤50 dB @ 1 metre						
Management Software	Included						
Standard Model	Dimensions (mm) WxDxH	438 x 310 x 88		438 x 410 x 88		438 x 630 x 88	
	Net Weight (kgs)	12		19		29.3	
Long Runtime Model	Dimensions (mm) WxDxH	438 x 310 x 88		438 x 410 x 88		438 x 410 x 88	
	Net Weight (kgs)	9		12		14.2	

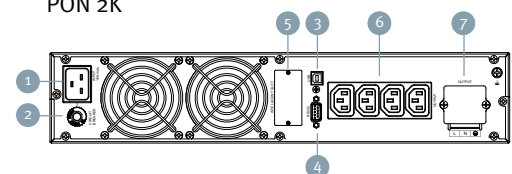
- ① AC input
- ② Input circuit breaker
- ③ USB communication port
- ④ RS232 communication port
- ⑤ SNMP intelligent slot (option)
- ⑥ Output receptacles
- ⑦ Output terminal



PON 1K



PON 2K



PON 3K

# Advanced Power Conversion Solutions

## The BPC Group

BPC is an international company operating for 20 years globally, with partners and distributors located around the world.

These regions include:

### EUROPE

UK, France, Germany, Gibraltar, Ireland, Netherlands, Malta, Norway, Portugal.

### MIDDLE EAST

Bahrain, Jordan, Kuwait, KSA, Lebanon, Oman, Qatar, UAE, Yemen.

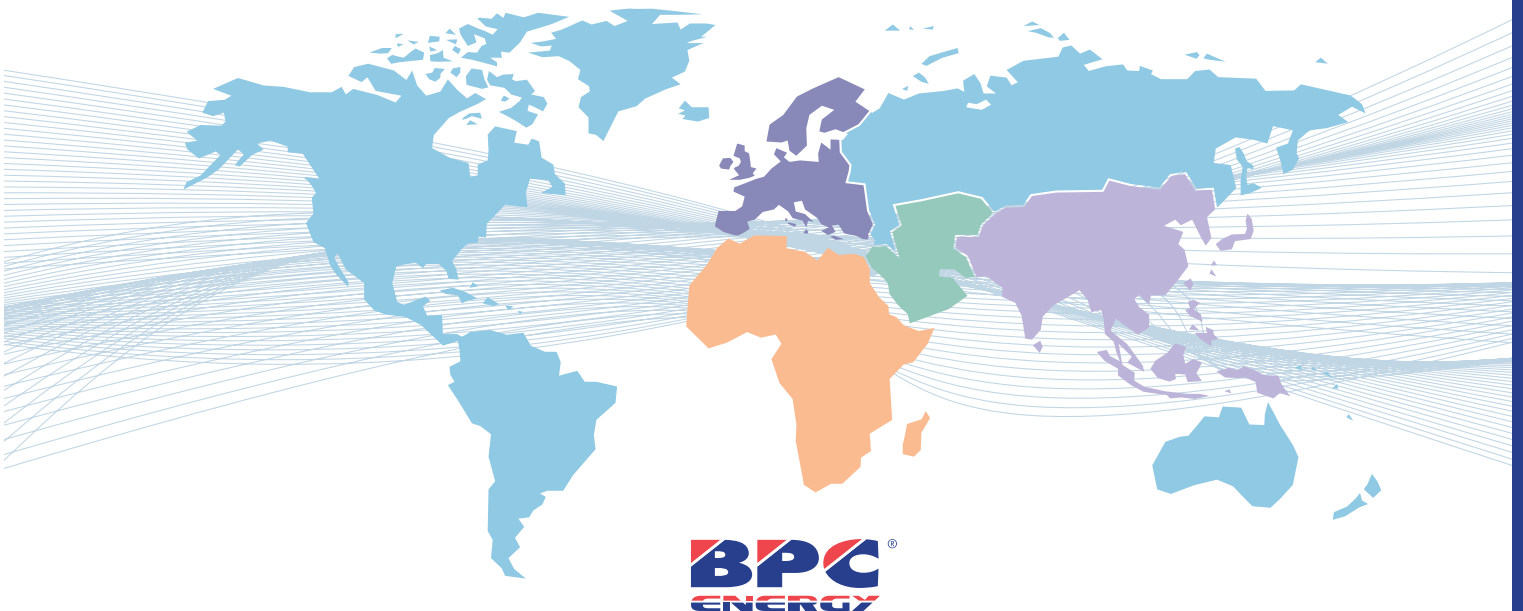
### AFRICA

Burkina Faso, Democratic Republic of the Congo, Egypt, Ethiopia, Kenya, Ghana, Libya, Nigeria, Rwanda, Sierra Leone, Sudan, Tanzania, Uganda, Zambia.

### FAR EAST & ASIA

India, Pakistan, Sri Lanka.

To ensure a high level of pre and post-sales support is offered, BPC work closely with distributors, providing key commercial and technical training whilst providing competitive costing structures tailored to specific region markets, ensuring the most suitable BPC products are offered. We pride ourselves on long standing relationships with our partners which is reflected in the ongoing support provided locally.



The British Power Conversion Company

Authorised Distributor