

# PowerPal Technical Data

General Specification						
Model		L280	L425	L660	L1000	L1400
UPS type		Fully intelligent Line Interactive				
Power Rating	VA	280	425	660	1000	1400
	Watts	180	270	420	670	950
Average Backup Time	mins*	12	14	12	20	16
Auto-shutdown capability		Yes	Yes	Yes	Yes	Yes
Output Sockets	IEC320	2	2	4	6	6
Dimensions: Width/Height/Depth	mm	107 x 170 x 350		107 x 170 x 385	160 x 240 x 430	
Net Weight/Shipping Weight	Kgs	5/6	7/8	9/10	18/20	23/25

\* at approximately half load.

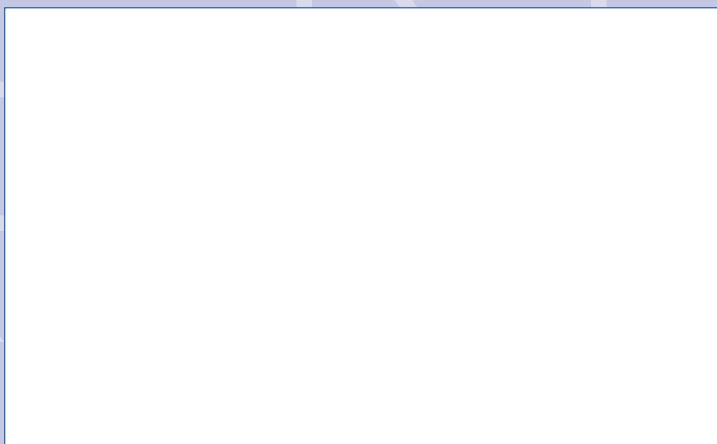
Technical Specification		
Input Voltage Nominal	V	230
Input Voltage Tolerance	%	-27 / +22
Input Frequency Auto-switching	Hz	50/60+ / -5%
Output Voltage on Battery	V	230+ / -3%
Output Frequency on Battery	Hz	50/60+ / -1%
Voltage Regulation		AVR
Typical Recharge Time	Hrs.	6

Protection & Diagnostics	
Surge Protection	IEEE 587 Cat. A&B
Noise Filtering	Full EMI / RFI suppression
Over & Under Voltage Protection	Auto "buck & boost"
Overload & Short Circuit Protection	SmartLoad™ technology
Low Battery Protection	Two stage with battery cut-off
Warning Diagnostics/Alarms	Comprehensive audio & visual
Communication (DB9 Port)	True RS232 or contacts

PowerPal Application Runtime Chart (estimated time in minutes)					
Model	L280	L425	L660	L1000**	L1400**
Most Pentium PC Workstations with 15" monitor	10 - 20	20 - 30	30 - 40	40 - 50	50 - 60
Most Pentium PC Workstations with 17" or 20" monitor	5 - 8	10 - 20	20 - 30	30 - 40	40 - 50
Most Pentium File Server Systems		5 - 10	10 - 20	20 - 30	30 - 40
Compaq Prosignia Web Server		10	20	30	40
IBM PC Server 520		8	15	25	35
HP NetServer Intel based Systems		5	10	20	30

\*\* Also available as 1000X and 1400X extended runtime models, which can be connected to optional battery banks to provide up to eight hours backup runtime for a typical file server.

All product specifications are subject to change without notice. All trademarks mentioned are the properties of their respective owners.



**BPC Limited**  
 BPC House  
 Romsey Industrial Estate  
 Greatbridge Road  
 Romsey  
 Hampshire SO51 0HR  
 United Kingdom  
 Telephone: +44 1794 521200  
 Fax: +44 1794 521400  
 E-mail: sales@bpc-ups.com

# PowerPal

*Uninterruptible Power Supply*



**User-friendly**

**Intelligent**

**Reliable**

**BPC**



# PowerPal

## Uninterruptible Power Supply

The BPC PowerPal™ range of UPS will provide clean and reliable backup power to ensure continued data integrity and optimum file server performance under a wide range of mains power conditions. Our advanced power management and diagnostic software package PowerSmart™ is also available, this will allow your IT Manager or System Integrator to remotely monitor and manage both the UPS and network server.

### Intelligent Power Management

Power failures and abnormal supply conditions can occur at any time, including when your Network system is running unattended.

When there is a power interruption, PowerSmart™ broadcasts a warning message to all workstation users on the network, urging them to finish their current tasks. In the event of a lengthy power failure, PowerSmart™ automatically saves files and gracefully shuts down the operating system after a user-configured time period or when the UPS batteries are low on energy. PowerSmart™ can even notify an off-site systems administrator of the shutdown by paging them through a modem.

PowerSmart™ provides other useful management functions too, such as scheduling automatic system boot up and shutdown, monitoring UPS battery condition, and logging and analysing abnormal utility power conditions.

### Optional Features

#### Extended Runtime Versions of PowerPal

PowerPal™ 1000VA and 1400VA models are also available with extended runtime battery banks in matching cabinets. These configurations can provide up to 8 hours backup runtime for a typical file server and/or telephone system. Please contact our sales department for further details.



### Battery Test and Alarm Silencer Switch

PowerPal™ conducts an automatic battery test every time the UPS is turned on. Manual testing can be carried out by simply pushing the battery test switch.

### AC Operation indicator

### Battery Operation and Test Indicator

### Battery Replacement and Overload Indicator

SmartLoad™ circuitry continuously monitors the load and protects against prolonged overload conditions. This will prevent nuisance blowing of load fuses. This indicator also shows when a battery is under performing.

### Automatic Voltage Regulation

Built-in protection against high and low voltage conditions ("buck & boost") corrects voltage fluctuations over a wide 49% input range without using battery energy. This feature not only protects your computer but also extends the battery life.

### Visual Diagnostics

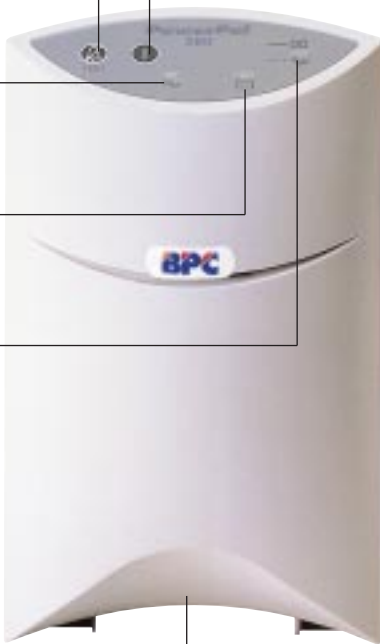
Battery and Load level Indicators are provided on the L1000 & L1400 models indicating through LED bar graphs the real time battery power level and the actual % load.



# The *User-friendly and Intelligent* UPS that offers *Outstanding Power Protection* for high performance Network Systems

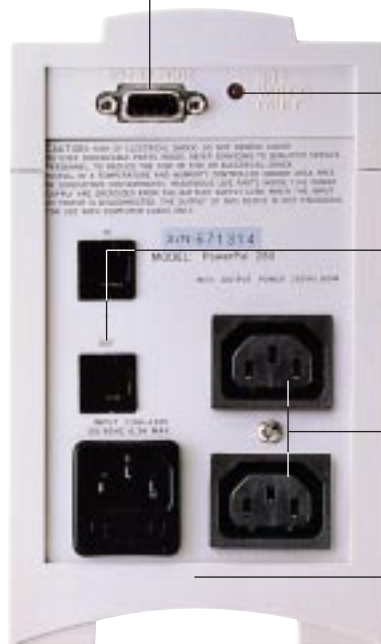
## Electronic On/Off Switch

PowerPal™ can be turned on even when no AC utility power is available.



## Smart RS-232 Communication

PowerPal's intelligent micro-processor design provides SNMP-ready, enhanced UPS monitoring and automatic shutdown capabilities for sophisticated network applications.



## Site Wiring Fault Indicator

Warns of potentially hazardous building wiring.

## Surge Suppression Jacks

Protects equipment and data against surges and transients coming through telephone or data lines. Every PowerPal™ comes with a 2m telephone line cord.

## AC Output Provides Surge Protection and EMI/RFI Noise Filtering

## User Replaceable, Hot-Swappable Batteries

Depicted: 280va Model

## Power Backup

Line-interactive fully intelligent inverter provides instantaneous, automatic battery backup power during exceptional and potentially damaging mains conditions. During normal AC operation the line-interactive inverter works in reverse to efficiently charge the battery.

