

PowerGem Technical Data

General Specification

Model		GM700	GM1000	GM2000	GM2500	GM3000
UPS Type		Fully intelligent microprocessor controlled Double Conversion On-Line				
Power Rating	VA	700	1000	2000	2500	3000
	Watts	560	800	1600	2000	2400
Typical Computer Backup Time	mins	8	5	5	8	5
Auto-shutdown capability		Yes	Yes	Yes	Yes	Yes
Optional SNMP Slot		Yes	Yes	Yes	Yes	Yes
Dimensions: Width/Height/Depth	mm	140 x 242 x 365			140 x 373 x 425	
Net Weight/Shipping Weight	Kgs	15/17	15/17	29/31	29/31	29/31

Operational Panel

General

Intelligent microprocessor monitors, controls and displays system operational status

LED Display

Status displayed by LEDs with appropriate audible alarm for Bypass; Utility; Inverter Operation; On-Battery; Bar Meters for battery and load percentage; Current Battery Capacity; UPS Load Level; Low Battery Condition; Replace Battery; Overload; System Fault.

Technical Specification

Input Voltage Nominal	V	230*
Input Voltage Range	V	130 / 275
Input Frequency Range	Hz	50/60
Input Power Factor		> 0.97
Output Voltage Regulation	V	230* +/-2%
Output Frequency	Hz	50/60 +/-0.05
Waveform	Pure Sinewave:	THD \geq 3%
Audible Noise	dBa	40 @ 1m
Crest Factor		3:1
Typical Recharge Time	Hrs.	8

Protection & Diagnostics

Static Bypass Switch	Automatic
Surge Protection	IEEE 62.41 Cat. A
Noise Filtering	Full EMI/RFI suppression
Intelligent Battery Monitoring	Auto testing
Overload rating	125% 3 mins; 150% 30 secs
Warning Diagnostics/Alarms	Comprehensive audio & visual
Start-up on battery	Yes
Communications (DB9 Port)	True RS232 and contacts



Y2K Compliant

* other selected voltage ratings available

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PowerGem

Uninterruptible Power Supply

User-friendly

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Intelligent

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Reliable

.....



BPC

BPC PowerGem

Uninterruptible Power Supply

The BPC PowerGem range available in 700VA, 1kVA, 2kVA, 2.5kVA and 3KVA is an advanced on-line UPS providing reliable and continuous sine-wave power to vital equipment. It supports personal computer networks, file servers, telecommunications equipment and a variety of other sensitive loads. With its outstanding protection features, PowerGem keeps your applications safe and running smoothly at all times.

High Power Density

PowerGem uses the latest advanced technology and the highest quality components giving an output power factor up to 0.8. Compared to other UPS (1000VA/700W) PowerGem boasts 14% more output power. PowerGem with its compact size gives a higher density and smaller footprint than comparable UPS. Through the use of advanced technology the UPS efficiency also increases to more than 87%. Compared to other UPS with only 80 to 85% efficiency PowerGem produces greater electric power efficiency at less cost.

	Output Power	Power Needed	Solution
PowerGem UPS	1000VA/800W	750W	Need only ONE PowerGem series UPS
Traditional UPS	1000VA/700W	750W	Need TWO UPS or ONE LARGER size UPS

Complete Protection

The On-line double conversion, pure sine wave output and zero transfer time provide the ultimate in power protection. PowerGem comes with built-in surge, spike and line noise protection which prevents hardware damage and extends system life. The EMI/RFI filter design prevents electrical noise from effecting computer operation and data files. PowerGem also has built-in Fax/Network cable jacks (RJ11/RJ45) giving additional protection to your data lines from surge, spikes and line noise which can travel along communications lines therefore providing you with complete 'back door' protection.

Safety Approvals

PowerGem is fully certified to UL/cUL, TUV/EMC, TUV/GS and is CE marked. With other safety approvals this means PowerGem is a safe and reliable solution to your power problems.

Intelligent Design

Integrated with a sophisticated microprocessor, PowerGem is able to perform a number of automatic functions including triggering the overvoltage protection function and transferring to 'On Battery' mode when the utility voltage exceeds 300V (for 230V models). In addition PowerGem can accept large input voltage variations from 130V to 275V for the 230V models. The wide input voltage range means less battery power usage and longer battery life. The programmable power outlet design, suitable for power management is also included as standard across the range.

Automatic Operation

The automatic battery start function allows the startup of PowerGem even when there is no remote utility power. In addition, the UPS which has been shut down by remote control during power line failures will start automatically when AC power returns. Using our automatic frequency sensing function to match input and output frequency, users don't need to set either 50Hz or 60Hz. Other features, such as UPS self-diagnosis and flexible external battery packs are also included.

Green Function Design

The PowerGem range comes with an intelligent fan design which can have variable fan speeds depending on load status, thereby saving the use of UPS power and reducing audible noise.



Protect your mission critical applications with PowerGem UPS

User Friendly

The PowerGem provides a variety of functions through a helpful control panel. Users can instantly identify the status of the UPS via the information LED display. Audible alarms, bar meters and status indicators, such as battery replacement, UPS fault, line condition, overload, etc. are simple and easy for users to understand. Moreover, users can simply reset the circuit breaker instead of having to replace a fuse in the event of output overload.

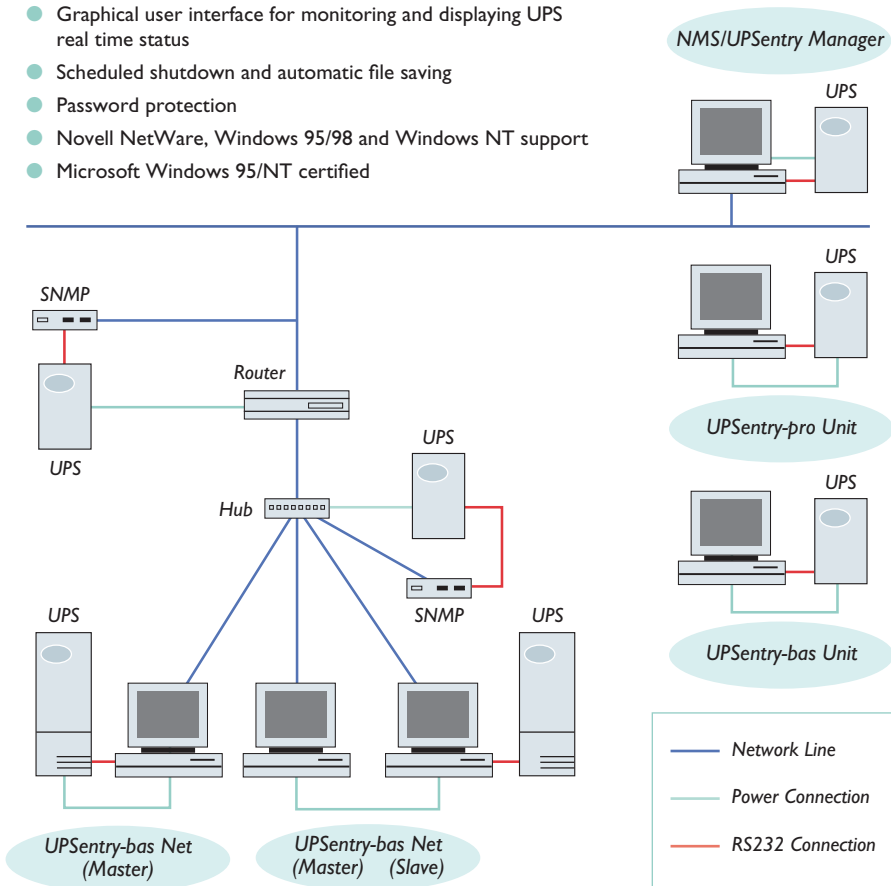


Network Management

The built-in communications interface port supporting full RS232 and volt free contact protocols enhances the reliability and manageability of the UPS over all major operating systems, including Windows 95/98, Windows NT, Novell Netware, Unix and others. Integrated Intelligent UPS Sentry Power Management Package including UPS Sentry Basic, UPS Sentry Pro and UPS Sentry Manager are provided to efficiently control and manage the unit over the Internet/Intranet. PowerGem also supports Simple Network Management Protocol (SNMP) and Hyper Text Transfer Protocol (HTTP) via an optional plug-in SNMP/HTTP adapter which fits into the built-in SNMP slot.

UPSentry Features:

- UPSentry-bas, UPSentry-pro, UPSentry Manager included
- Remote monitoring and control via TCP/IP network
- Provide hierarchical architecture to manage your UPS
- Notification via e-mail, pager, audible alarm or broadcast
- Graphical user interface for monitoring and displaying UPS real time status
- Scheduled shutdown and automatic file saving
- Password protection
- Novell NetWare, Windows 95/98 and Windows NT support
- Microsoft Windows 95/NT certified



UPSentry Power Management Software



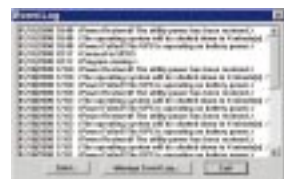
Main Screen Normal Operation



Main Screen Mains Failure



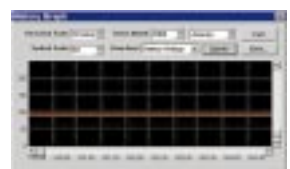
Real Time Meter



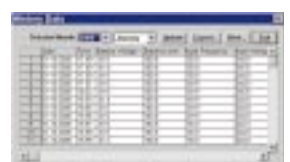
Event Log



Action Configuration



History Graph



History Data