

# Consumer Power Solutions

Power protection for  
home and office desktop  
computer systems



# Power protection for home and business desktop computer systems

## "Must have" features in a UPS:

- **Multi-path protection:**

APC Back-UPS units have enough outlets to protect your entire computer system with dedicated outlets for computer, monitor and all peripherals, such as laser printers, Zip drives, scanners, and fax machines, ensuring that everything is protected against the threat of bad power.

- **Audible alarms** alert you whenever there is a problem. Because a UPS won't run indefinitely on battery power, you need to know when to save files and shut down.

- **Easy overload recovery:**

Like your breaker box at home, all APC products have a quick, easy, push-button recovery circuit breaker instead of a standard fuse, so you don't have to return the unit to the factory for service. Whether an overload or a short circuit occurs, you're quickly back in business!

- **User-renewable UPS system**

At the end of the battery's life, you can replace it by recycling the battery for a low cost, saving you money while protecting the environment.

- **Up to \$150,000 lifetime equipment protection:**

APC guarantees its products will protect your properly connected equipment from damaging surges and spikes---for life. Should surge damage occur, APC will repair or replace up to \$25,000 of your equipment. (See policy for details).

- **Two-Year comprehensive product warranty** covers all parts and labor, including the battery. (See warranty for details).

- **Industry approvals:**

UL, UL-C & CSA approvals mean a tested, safe and reliable solution to power problems.



You depend on your computer. Whether your system is at home, in the office or both, it needs clean, consistent power in order to operate reliably. Unfortunately, with power problems threatening your system twice a day on average, sooner or later you're going to lose data or hardware.

APC has a full line of Power Protection Solutions designed to help you avoid these problems. We offer the world's most reliable power protection for all types of sensitive electronics and power paths.

APC Power Protection products are designed to protect your computer, data, and on a larger scale, your company. You can trust APC for affordable, reliable, high-performance power solutions. With more than 10 million satisfied customers, APC protects more computers worldwide than any other brand.

Take a look at our comprehensive line of desktop solutions and see which one best suits your needs. For more information check out [www.apc.com](http://www.apc.com) on the Web.



APC was chosen by PC Magazine as one of the "Top 100 Technology Companies That Are Changing The World" (10/99).

APC Back-UPS® CS 500,  
APC Back-UPS® LS 500  
and APC Back-UPS® Pro 650.



## The problem with power

Computer users fall into two groups: those who have lost data due to power problems and those who will. According to an IBM study, your system is subject to an average of 128 power disturbances per month, ranging from surges and spikes, which can cause hardware damage, to sags, brownouts and complete blackouts, which can cause data loss. The more you use your computer, the more you stand to lose. Power problems wreak havoc on today's multi-tasking networked or stand-alone computers.

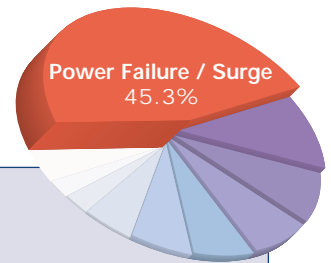
As the single largest cause of data loss (45.3%), power problems are responsible for keyboard lockups, data loss, hardware degradation, damaged motherboards, and more, making downtime inevitable.

## Protect your valuable data with an APC Back-UPS

When a power event occurs, your APC UPS unit instantly switches your computer to emergency battery backup power, allowing you to work through brief power outages without data loss or downtime. In the event of an extended power failure APC UPS units give you time to save files and shut down your computer safely.

High-performance surge suppression protects your computer from electrical noise, damaging power surges and lightning.

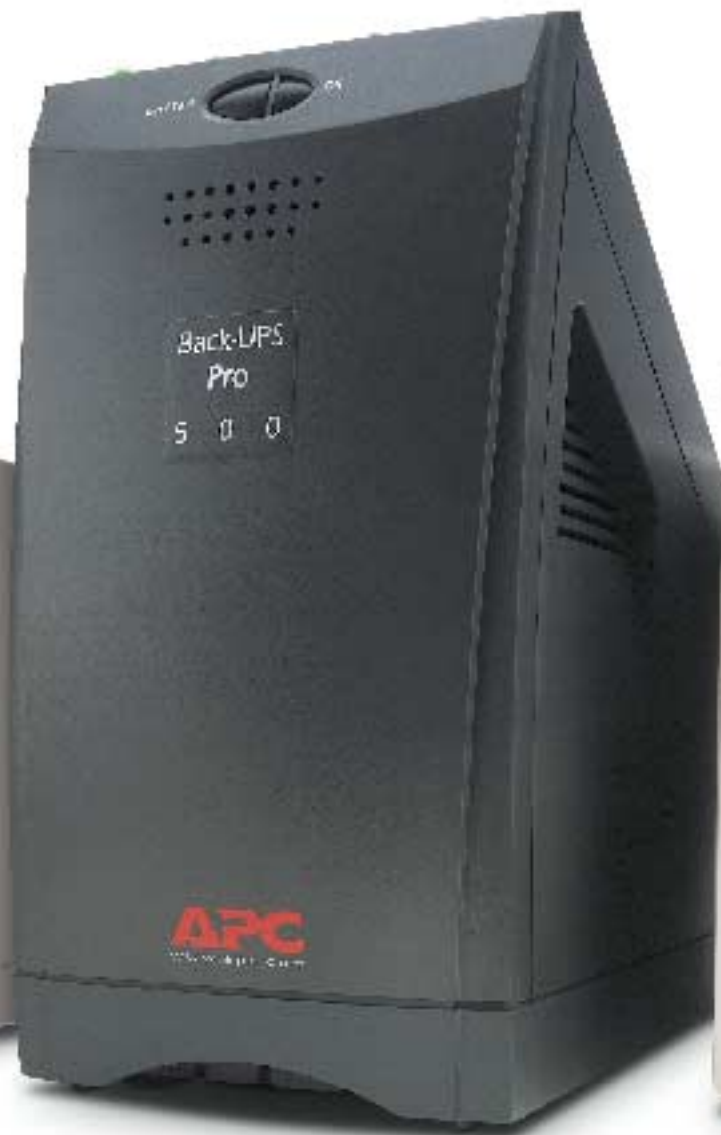
These precious minutes of availability ensure that your data and mission-critical business applications remain intact.



**Power problems are the largest cause of data loss.**

Power Failure/Surge	45.3%
Storm Damage	9.4%
Fire or Explosion	8.2%
Hardware/Software error	8.2%
Flood & Water Damage	6.7%
Earthquake	5.5%
Network Outage	4.5%
Human Error/Sabotage	3.2%
HVAC Failure	2.3%
Other	6.7%

Source: Contingency Planning Research



**Marvin Fricklas**  
Amateur Radio W2FGD  
Freeport, NY

*"That UPS did more than I thought it would ever have to do, or I would ever ask it to do . . ."*



## For Home

In today's high-tech world cutting-edge electronics of all kinds have found their way into almost every North American household. Many of us rely on a home computer and Internet access to check e-mail or surf the web. Power problems put all of the technology in your home at risk.

With power problems occurring 15 times more frequently than computer viruses (Source: Contingency Planning), you need power protection to protect your hardware. Obviously you would like to reduce the effects of power problems like keyboard lockups, system crashes, data corruption and lost Internet connections. But the solution must be easy to install and simple to use. Fortunately, APC has a full line of Back-UPS products to keep your cutting-edge equipment up and running.

APC's full line of power protection solutions can safeguard everything in your home that is threatened by bad power. This includes other electronics besides your computer, like your microwave, TV, VCR, satellite dish---even your alarm clock. Read on to find out which of APC's easy to use and affordable solutions are appropriate for your home needs.



## Back-UPS® LS

The new APC Back-UPS LS 350, 500, 500 Clear, and 700 provide battery backup and surge suppression for Microsoft Windows XP®, Windows® Me, Windows® 2000, Windows® 98, and Mac OS 9 users (9.0.4 or higher).

The Back-UPS LS family was created to ensure that leading-edge technology such as your computer, Internet connection and peripherals are protected with state-of-the-art surge suppression and intelligent battery backup. The included software, APC PowerChute® Personal Edition for Windows XP & 98, is easy-to-use, safe system shutdown software with sophisticated power management functions. PowerChute Personal Edition also enables automatic saving of open files thereby preventing data loss. The Back-UPS LS units continuously condition the power entering your computer with Automatic Voltage Regulation Technology (AVR), and instantly switch your computer to emergency battery backup power in the event of a brief power outage, preventing data loss and downtime. Additional outlets are available to provide protection for more peripherals.

MODEL
BP350UC
BP500UC
BP500CLR
BP700UC



The new Back-UPS LS Clear connects to your Windows XP/Me/2000/98 and Macintosh OS 9 (9.0.4 or higher) systems via a USB port.



Mac OS 9 (9.0.4 or higher)



BP350UC
BP500UC
BP500CLR
BP700UC

- 4 battery + surge outlets
- 3 surge-only outlets
- 350VA (220W) (350)
- 500VA (315W) (500)
- 20 minutes of runtime (typical) (350)
- 24 minutes of runtime (typical) (500)



BP350UC
BP500UC
BP500CLR
BP700UC

- iMac colored speaker guards
- 4 battery + surge outlets
- 3 surge-only outlets
- 500VA (315W)
- 24 minutes of runtime (typical)



BP350UC
BP500UC
BP500CLR
BP700UC

- 4 battery + surge outlets
- 3 surge-only outlets
- 700VA (410W)
- 28 minutes of runtime (typical)

### Product Family Features

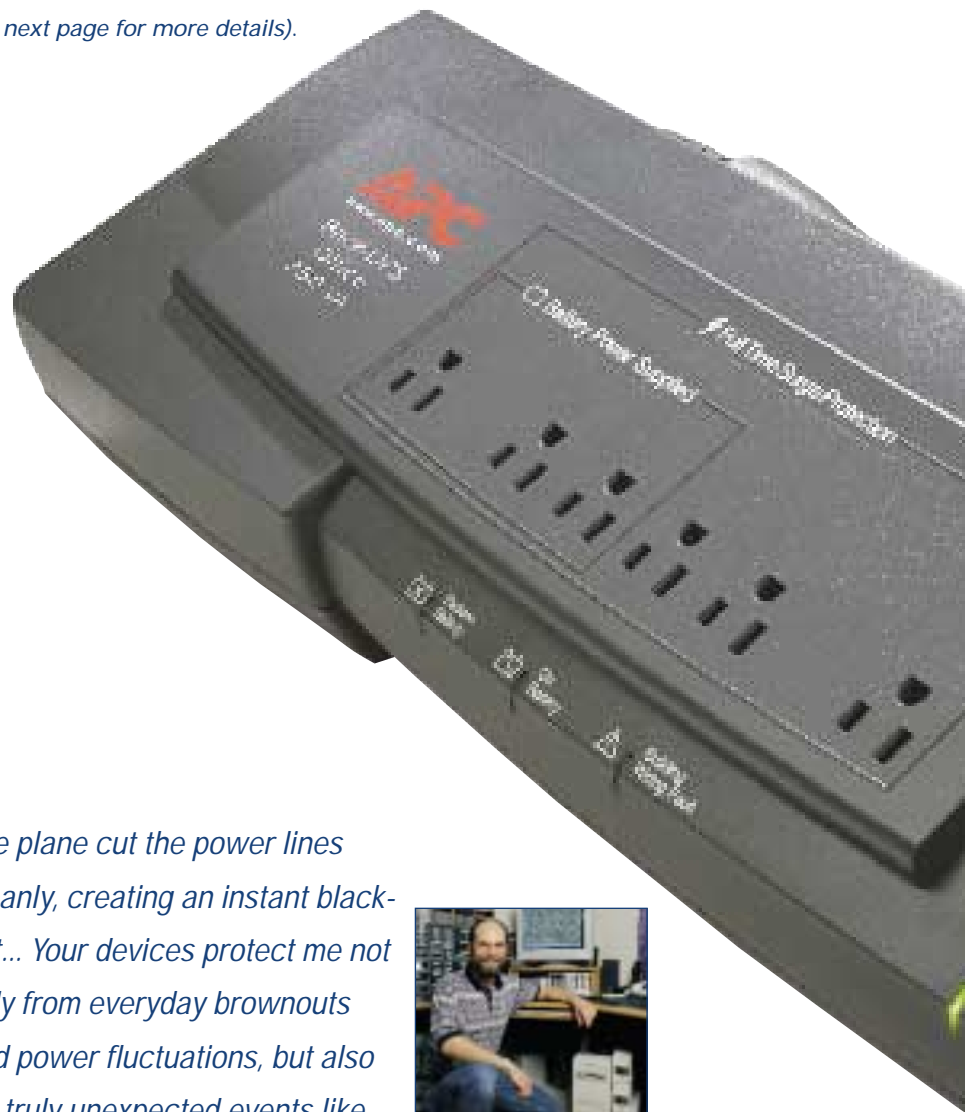
- **Seven power outlets** - 4 battery + surge outlets and 3 surge-only outlets.
- **Easy connectivity** via a USB port.
- **File saving, auto-shutdown software** for Windows XP/Me/98 and Mac OS 9 (9.0.4 or higher).
- **Configuration software** for Windows 2000.
- **Internet ready** - 2-line phone/fax/modem/DSL surge suppression.
- **Saves space** – Ergonomically shaped to fit on or beneath your desktop, with easy access to outlets.
- **Automatic Voltage Regulation technology (AVR)** corrects under-voltages, without draining the battery, to handle even the deepest brownouts.
- **Long-lasting, auto-recharging, user-replaceable battery system.**
- **Visual alarms** - On-Line, On-Battery, Overload, Replace Battery.
- **Audible alarms** alert you of changing power and UPS conditions.
- **Building wiring fault indicator** automatically detects potentially dangerous wiring problems within the wall circuit.
- **Intelligent Battery Management™** maximizes battery performance, life and reliability.
- **Self-diagnostics** automatically test all components every 14 days.
- **Resettable circuit breaker** provides easy recovery from overload conditions.
- **Two-year comprehensive warranty**, including battery.
- **\$150,000 Lifetime Equipment Protection Policy.**

## For Home or Business

APC has taken the special concerns of the home and business user into consideration and provided enough outlets for all your equipment and enough runtime to safely save your work and shutdown your computer.

We've created an affordable line of reliable products geared to the home and small business. APC products protect everything from your entertainment center to your fax machine and home computer, providing you with a complete solution for all your power protection needs.

The Back-UPS Office 350 and 500 offer affordable solutions to protect all of your electronic equipment. If you're thinking of expanding or upgrading your system, turn to the Back-UPS CS 500 and 650 for longer runtime and advanced features. (See next page for more details).



*"The plane cut the power lines cleanly, creating an instant black-out... Your devices protect me not only from everyday brownouts and power fluctuations, but also for truly unexpected events like this one. Thank you for providing that reassurance."*



**Mike Osborne**  
Elon College  
North Carolina

## Back-UPS® Office

The APC Back-UPS Office provides affordable battery backup and surge suppression for home and office computers.

Three battery backup + surge suppression outlets and three surge suppression-only outlets, plus phone/fax/modem protection deliver multipath protection on both AC power lines and phone lines. The UPS protects your computer from electrical noise, damaging power surges and lightning. The unique, innovative design allows for convenient access to the outlets, whether you position the Back-UPS Office on your desktop, mount it on a wall, or place it on the floor under your desk.

The Back-UPS Office 350 and 500 also includes USB connectivity and software that will automatically save your files and safely shutdown your computer in case of a sustained power outage.

MODEL
BF350U
BF500U



The Back-UPS Office protects your computer equipment, including your scanner, printer and external drives.



Openings on the back of the unit allow you to hang it from a wall or on the side of your desk.



BF350U
BF500U



- 3 battery + surge outlets
- 3 "always on" surge outlets
- 350VA (225W)
- 12 minutes of runtime (typical)

BF350U
BF500U



- 3 battery + surge outlets
- 3 "always on" surge outlets
- 500VA (325W)
- 17 minutes of runtime (typical)



Mac OS 9  
(9.0.4 or higher)



### Product Family Features

- **Six power outlets** - 3 battery + surge outlets and 3 "always on" surge outlets.
- **Internet ready** - 1-line phone/fax/modem/DSL surge suppression.
- **File saving, auto-shutdown software** for Windows XP/Me/98 and Mac OS 9 (9.0.4 or higher).
- **USB Connectivity**-for Windows and Mac OS
- **Long-lasting, auto-recharging, user-replaceable battery system.**
- **Visual alarms** - On-Line, On-Battery, Overload, Replace Battery, Building Wiring Fault.
- **Audible alarms** alert you of changing power and UPS conditions.
- **Building wiring fault indicator** automatically detects potentially dangerous wiring problems within the wall circuit
- **Self-diagnostics** automatically test all components every 14 days.
- **Resettable circuit breaker** provides easy recovery from overload conditions.
- **Two-year comprehensive warranty**, including battery.
- **\$75,000 Lifetime Equipment Protection Policy.**

## Back-UPS® CS

Reliable power protection for office and home office computers.

All of the Back-UPS CS units provide plenty of runtime to ride through momentary outages or shut down your system in the event of an extended outage. Outlets are provided for your computer, monitor and peripherals, as well as 1-line phone/fax/modem/DSL surge protection. The compact design conserves valuable floor space. All of the Back-UPS CS units come with APC's file-saving, automatic system-shutdown software.

The Back-UPS CS 350 and 500 are the first UPSs to offer both serial and USB connectivity. The Back-UPS CS 350 and 500 are equipped with visual alarms which tell you when the UPS is running on battery and alert you of any problems concerning the UPS or the wiring within the building.

The Back-UPS 650 offers up to 44 minutes of battery runtime and is only available with serial connectivity. The Back-UPS 650 also provides user-adjustable voltage and alarm settings.

### Internet connections dramatically increase risk factor

*While multiple peripherals and datalines to and from your system are vital, plugging a phone or DSL line into your computer doubles your vulnerability to power problems. Add any peripheral, (such as a printer), and the risk is even greater.*

*Let's take lightning as an example. Lightning strikes a nearby transformer. If the surge is powerful enough, it travels instantaneously through wiring, network, serial and phone lines in a fashion analogous to a tidal wave. The modem and motherboard are destroyed first, then the chips and data are lost.*

*The utility responds to over-voltages by disconnecting the grid, which creates brownouts and blackouts. In the worst case scenario, password protection on your hard drive can be jumbled, or the file allocation table may be upset, rendering the hard disk useless.*

MODEL
BK350
BK500
BK650MC



*The Back-UPS CS 500 will keep your system running for up to 22 minutes; plenty of time to safely shut down your system.*





**Product Family Features**

- **Six power outlets** - 3 battery + surge outlets and 3 surge-only outlets.
- **Internet ready** - 1-line phone/fax/modem/DSL surge suppression.
- **File saving, auto-shutdown software** - for Windows XP, Windows Me, Windows 2000, Windows 95/98, and Windows NT Workstation.
- **Transformer block spacing.**
- **Long-lasting, auto-recharging, user-replaceable battery system.**
- **Visual alarms** - On-Line, On-Battery, Overload, Replace Battery.
- **Audible alarms** alert you of changing power and UPS conditions.
- **Building wiring fault indicator** automatically detects potentially dangerous wiring problems within the wall circuit.
- **Resettable circuit breaker** provides easy recovery from overload conditions.
- **Two-year comprehensive warranty**, including battery.
- **\$100,000 Lifetime Equipment Protection Policy.**



Mac OS 9  
(9.0.4 or higher)



BK350  
BK500  
BK650MC



- 3 battery + surge outlets
- 3 surge only outlets
- USB and serial connectivity
- 350VA (210W)
- 16 minutes of runtime (typical)

BK350  
BK500  
BK650MC



- 3 battery + surge outlets
- 3 surge only outlets
- USB and serial connectivity
- 500VA (300W)
- 22 minutes of runtime (typical)

BK350  
BK500  
BK650MC



- 3 battery + surge outlets
- 3 surge only outlets
- Diagnostic Test/Alarm button
- Available with serial connectivity only
- 650VA (400W)
- 44 minutes of runtime (typical)

## For Business

Whether you're a CEO, finance manager or network administrator, you're undoubtedly responsible for many mission-critical business processes. Therefore you rely on high-performance network management of your corporate desktops – running everything from POS systems to large reports.

In today's information age, company data must remain available to your key players. Downtime has become unacceptable. With more and more critical business applications depending on networks, high availability is crucial to the success of your company.

You can rely on APC's full line of high-performance Back-UPS products to protect your corporate desktops against power problems of all kinds. The Back-UPS Pro line also provides the ability to monitor and manage your desktop UPSs across the network. APC products are designed to suit your particular business needs, providing the reliability and availability your business demands.



## Back-UPS® LS

The new APC Back-UPS LS 350, 500, 500 Clear, and 700 provide battery backup and surge suppression for Microsoft Windows XP®, Windows® Me, Windows® 2000, Windows® 98, and Mac OS 9 users (9.0.4 or higher).

The Back-UPS LS family was created to ensure that leading-edge technology such as your computer, Internet connection and peripherals are protected with state-of-the-art surge suppression and intelligent battery backup. The included software, APC PowerChute® Personal Edition for Windows XP & 98, is easy-to-use, safe system shutdown software with sophisticated power management functions. PowerChute Personal Edition also enables automatic saving of open files thereby preventing data loss. The Back-UPS LS units continuously condition the power entering your computer with Automatic Voltage Regulation Technology (AVR), and instantly switch your computer to emergency battery backup power in the event of a brief power outage, preventing data loss and downtime. Additional outlets are available to provide protection for more peripherals.

MODEL
BP350UC
BP500UC
BP500CLR
BP700UC



The new Back-UPS LS connects to your Windows XP/Me/2000/98 and Macintosh OS 9 (9.0.4 or higher) systems via a USB port.



Mac OS 9 (9.0.4 or higher)

MODEL
BP350UC
BP500UC
BP500CLR
BP700UC



- 4 battery + surge outlets
- 3 surge-only outlets
- 350VA (220W) (350)
- 500VA (315W) (500)
- 20 minutes of runtime (typical) (350)
- 24 minutes of runtime (typical) (500)

MODEL
BP350UC
BP500UC
BP500CLR
BP700UC



- iMac colored speaker guards
- 4 battery + surge outlets
- 3 surge-only outlets
- 500VA (315W)
- 24 minutes of runtime (typical)

MODEL
BP350UC
BP500UC
BP500CLR
BP700UC



- 4 battery + surge outlets
- 3 surge-only outlets
- 700VA (410W)
- 28 minutes of runtime (typical)

### Product Family Features

- **Seven power outlets** - 4 battery + surge outlets and 3 surge-only outlets.
- **Easy connectivity** via a USB port.
- **File saving, auto-shutdown software** for Windows XP/Me/98 and Mac OS 9 (9.0.4 or higher).
- **Configuration software** for Windows 2000.
- **Internet ready** - 2-line phone/fax/modem/DSL surge suppression.
- **Saves space** – Ergonomically shaped to fit on or beneath your desktop, with easy access to outlets.
- **Automatic Voltage Regulation technology (AVR)** corrects under-voltages, without draining the battery, to handle even the deepest brownouts.
- **Long-lasting, auto-recharging, user-replaceable battery system.**
- **Visual alarms** - On-Line, On-Battery, Overload, Replace Battery.
- **Audible alarms** alert you of changing power and UPS conditions.
- **Building wiring fault indicator** automatically detects potentially dangerous wiring problems within the wall circuit.
- **Intelligent Battery Management™** maximizes battery performance, life and reliability.
- **Self-diagnostics** automatically test all components every 14 days.
- **Resettable circuit breaker** provides easy recovery from overload conditions.
- **Two-year comprehensive warranty**, including battery.
- **\$150,000 Lifetime Equipment Protection Policy.**

## Back-UPS Pro®

High-performance battery backup provides intelligent power management and extended runtime for PC/Workstation users.

The APC Back-UPS Pro family offers premium power protection for your CPU and monitor, as well as network/data-line protection to guard all paths to your system.

If you use Windows® XP, Windows® Me, 2000, Windows® 95/98, or Windows® NT on a high-performance workstation, you need a Back-UPS Pro. They provide the runtime you require and the ability to automatically shut down your computer if you're away from your desk. With advanced PowerChute® shutdown software, the power to your workstations can be monitored and managed from anywhere within the network.

MODEL
BP280S
BP420S
BP650S



The Back-UPS Pro family is designed especially for high-end desktop systems and corporate networks. With PowerChute software, the network manager can easily manage and monitor the power to all workstations using a Back-UPS Pro.



Mac OS 9  
(9.0.4 or higher)

### Product Family Features

- **Network-manageable shutdown software** - PowerChute provides UPS manageability, safe system shutdown and data saving for Windows XP, Windows Me, Windows 98, Windows 95, Windows 2000 and Windows NT workstations.
- **Automatic Voltage Regulation technology (AVR)** corrects under-voltages and over-voltages without draining the battery, to handle even the deepest brownouts.
- **Internet or network ready** - 1-line phone/fax/modem/DSL or network dataline surge suppression.
- **Long-lasting, heavy-duty, user-replaceable battery system.**
- **Visual alarms** - On-Line, On-Battery, Overload, Replace Battery.
- **Audible alarms** alert you of changing power and UPS conditions.
- **Building wiring fault indicator** automatically detects potentially dangerous wiring problems within the wall circuit.
- **Intelligent Battery Management™** maximizes battery performance, life and reliability.
- **Self-diagnostics** automatically test all components every 14 days.
- **Resettable circuit breaker** provides easy recovery from overload conditions.
- **Two-year comprehensive warranty**, including battery.
- **\$150,000 Lifetime Equipment Protection Policy.**



BP280S
BP420S
BP650SC



- 2 battery + surge outlets
- 1 surge-only outlet
- Network-manageable, file-saving, auto-shutdown software
- 280VA (170W)

• 14 minutes of runtime (typical)

BP280S
BP420S
BP650SC



- 3 battery + surge outlets
- 3 surge-only outlets
- Network-manageable, file-saving, auto-shutdown software
- 420VA (260W)

• 20 minutes of runtime (typical)

BP280S
BP420S
BP650S



- 3 battery + surge outlets
- 3 surge-only outlets
- Network-manageable, file-saving, auto-shutdown software
- 650VA (410W)

• 45 minutes of runtime (typical)



Hot-swappable batteries make it easy for users to replace batteries.



**Protect Your Entire Desktop Environment with One UPS**

You need to protect your hardware from damage, prevent data loss and increase your uptime. An APC Back-UPS Pro has outlets to protect your entire computer system. With dedicated outlets for computer, monitor and all peripherals such as laser printers, Zip drives, scanners, fax machines and fax/modem/network/dataline protection, everything is protected against the effects of bad power. The Back-UPS Pro is powerful enough to protect more than one desktop. You eliminate the threat of power problems by plugging your entire system into an APC Back-UPS Pro.

BP1000
BP1400



- 6 battery + surge outlets
- Optional auto-shutdown software
- 1000VA (670W) and 1400VA (950W)

• 79 and 145 minutes of runtime (typical)

The Back-UPS Pro 1000 and 1400 have enough power to keep two desktop computers running through a power outage.

# Product Specifications

## For Home / For Business



	Back-UPS LS 350	Back-UPS LS 500	Back-UPS LS 500 Clear	Back-UPS LS 700
<b>PART NUMBER</b>	BP350UC	BP500UC	BP500CLR	BP700UC
<b>INPUT</b>				
Capacity	350VA (220W)	500VA (315W)		700VA(410W)
Nominal input	120 Vac single-phase, 50 or 60 Hz ± 5%			
<b>OUTPUT</b>				
Voltage (on battery)	Stepped approximation to sine wave output at 115 Vac ± 5% (auto sensing)			
Automatic Voltage Regulation (AVR)	Increases output voltage by 15% when input voltage is between 92 Vac and 106 Vac			
<b>SURGE PROTECTION</b>				
Dataline protection	2-line phone/fax/modem/DSL			
<b>PHYSICAL</b>				
Total # of outlets	4 battery back-up + surge, 3 surge only. 2 transformer block-spaced outlets			
Maximum Dimensions (H x W x L)	9.4 x 5.0 x 7.9 in (23.9 x 12.7 x 20.0 cm)			
Net weight	14.8 lb (6.7kg)	15.8 lb (7.2 kg)		17.0 lb (7.8 kg)
<b>USER REPLACEABLE BATTERIES</b>				
Type	User-replaceable, hot swappable, sealed, maintenance-free lead acid (included)			
Typical recharge time to 90% of full capacity	6-8 hours			
<b>DIAGNOSTICS AND MANAGEMENT</b>				
Visual indicators	On line, on battery, UPS overload, replace battery, building wiring fault			
Audible alarms	On battery, low battery, UPS overload, replace battery			
Management	14 Day automatic self-test, manual self-test			
USB Connector	Data saving, unattended shutdown for Windows XP, Windows Me, Windows 98, and Mac OS 9 (9.0.4 or higher) included. Configuration software for Windows 2000 also included.			
<b>CONFORMANCE</b>				
Agency Approvals	UL, C-UL, CSA		UL, C-UL	UL, C-UL, CSA
Warranty	2 year comprehensive, including battery			
Equipment Protection Policy	\$150,000 lifetime protection, including lightning (see policy for details)			
<b>TYPICAL RUNTIME IN MINUTES</b> (Runtimes may vary depending on your equipment. For the most recent sizing information go to <a href="http://sizing.apcc.com">sizing.apcc.com</a> )				
	Back-UPS LS 350	Back-UPS LS 500	Back-UPS LS 500 Clear	Back-UPS LS 700
Typical runtimes	17	20	20	28

## For Home and Business



	Back-UPS Office 350	Back-UPS Office 500
<b>PART NUMBER</b>	<b>BF350U</b>	<b>BF500U</b>
<b>INPUT</b>		
Capacity	350VA(225W)	500VA(325W)
Nominal input	120 Vac single-phase, 50/60 Hz +/- 3 Hz (auto sensing)	
<b>OUTPUT</b>		
Voltage (on battery)	Stepped approximation to sine wave output at 115 Vac ± 5% (auto sensing)	
<b>SURGE PROTECTION</b>		
Dataline protection	Single line phone/fax/modem/DSL	
<b>PHYSICAL</b>		
Total # of UPS receptacles	3 battery + surge, 3 surge only. 2 transformer block-spaced outlets	
Maximum Dimensions (H x W x L)	2.7 x 17.0 x 7.0 in (6.9 x 43.2 x 17.8 cm)	
Net weight	8.20 lb (3.73 kg)	8.60 lb (3.91 kg)
<b>USER REPLACEABLE BATTERIES</b>		
Type	User-replaceable, sealed, maintenance-free lead acid (included)	
Typical recharge time	9 hours	12 hours
<b>DIAGNOSTICS AND MANAGEMENT</b>		
Visual indicators	On line, on battery, replace battery, building wiring fault	
Audible alarms	On battery, low battery, UPS overload, replace battery	
Management	Automatic self-test at reboot	
Serial RJ45 Connector	USB Connectivity, data saving, unattended shutdown for Windows XP, Windows Me, and Windows 2000 included.	
<b>CONFORMANCE</b>		
Agency Approvals	UL, UL-C, CSA	
Warranty	2 year comprehensive, including battery	
Equipment Protection Policy	\$75,000 lifetime protection, including lightning (see policy for details)	
<b>TYPICAL RUNTIME IN MINUTES</b> (Runtimes may vary depending on your equipment. For the most recent sizing information go to <a href="http://sizing.apcc.com">sizing.apcc.com</a> )		
	<b>Back-UPS Office 350</b>	<b>Back-UPS Office 500</b>
Typical runtimes	12	17

## For Home and Business



	Back-UPS CS 350	Back-UPS CS 500	Back-UPS 650
<b>PART NUMBER</b>	<b>BK350</b>	<b>BK500</b>	<b>BK650MC</b>
<b>INPUT</b>			
Capacity	350VA (210W)	500VA (300W)	650VA (400W)
Nominal Input	120 Vac single-phase, 50 or 60 Hz ± 5%		
<b>OUTPUT</b>			
Voltage (on battery)	Stepped approximation to sine wave output at 115 Vac ± 8% (auto sensing)		
<b>SURGE PROTECTION</b>			
Dataline protection	Single phone/fax/modem/DSL		
<b>PHYSICAL</b>			
Total number of receptacles	3 battery + surge, 3 surge only. 2 transformer block-spaced outlets		
Maximum Dimensions (H x W x L)	6.5" x 3.6" x 11.2" (16.5 x 9.1 x 28.3 cm)		6.6" x 4.7" x 14.2" (16.8 x 11.9 x 36.1 cm)
Net weight	13.1 lbs (5.9 kg)	15.3 lbs (7.0 kg)	23.0 lbs (10.4 kg)
<b>USER REPLACEABLE BATTERIES</b>			
Type	User-replaceable, Hot swappable, sealed, maintenance-free lead acid		Maintenance-free lead acid
Typical recharge time	6-8 hours		5-10 hours
<b>DIAGNOSTICS AND MANAGEMENT</b>			
Visible indicators	On-line, on battery, UPS overload, replace battery		On-line
Audible alarms	On battery, low battery, UPS overload, replace battery		
Management	14 Day automatic self-test		Manual self-test, adjustable battery transfer points and alarm settings
USB Connector	Data saving and unattended shutdown for Windows XP, Windows Me, Windows 98 and Mac OS 9 (9.0.4 or higher) included. Configuration software for Windows 2000 also included.		-
Serial Connector	Free optional in-box offer (Data saving and unattended shutdown for Windows XP, Windows Me, Windows 98, Windows 95, Windows 2000 and Windows NT included.)		Data saving and unattended shutdown for Windows XP, Windows Me, Windows 98, Windows 95, Windows 2000 and Windows NT included.
<b>CONFORMANCE</b>			
Agency Approvals	UL 1778, C-UL, FCC Part 68		FCC Part 68, UL 1778, CSA
Warranty	2 year comprehensive, including battery		
Equipment Protection Policy	\$100,000 lifetime protection, including lightning (see policy for details)		
<b>TYPICAL RUNTIME IN MINUTES</b> (Runtimes may vary depending on your equipment. For the most recent sizing information go to <a href="http://sizing.apcc.com">sizing.apcc.com</a> )			
	<b>Back-UPS CS 350</b>	<b>Back-UPS CS 500</b>	<b>Back-UPS 650</b>
Typical runtimes	16	22	44



## For Business



	Back-UPS Pro 280	Back-UPS Pro 420	Back-UPS Pro 650	Back-UPS Pro 1000	Back-UPS Pro 1400
<b>PART NUMBER</b>	BP280S	BP420S	BP650S	BP1000	BP1400
<b>INPUT</b>					
Capacity	280VA (170W)	420VA (260W)	650VA (410W)	1000VA (670W)	1400VA (950W)
Nominal Input	Vac single-phase, 50 or 60 Hz $\pm$ 5% (auto sensing)				
<b>OUTPUT</b>					
Voltage (on battery)	Stepped approximation to sine wave output at 115 Vac $\pm$ 5% (auto sensing)				
Automatic Voltage Regulation (AVR)	Factory Default: (on line) Increases output up to 30% when input between 81Vac and 106Vac. User-selectable transfer point as low as 75Vac. Decreases output up to 15% when input between 127Vac and 143Vac. User Selectable transfer point as high as 154Vac				
<b>SURGE PROTECTION</b>					
Dataline protection	Single Line Phone/fax/modem/DSL/10-100 Base-T				
<b>PHYSICAL</b>					
Total number of receptacles	2 battery + surge, 1 surge only	3 battery + surge, 3 surge only	3 battery + surge, 3 surge only	6 battery + surge	6 battery + surge
Maximum Dimensions (H x W x L)	5.9" x 3.4" x 13.3" (15.0 x 8.6 x 33.8 cm)	6.6" x 4.7" x 14.5" (16.8 x 11.9 x 36.8 cm)	6.6" x 4.7" x 14.5" (16.8 x 11.9 x 36.8 cm)	8.5" x 6.7" x 17.3" (21.6 x 17.0 x 43.9 cm)	8.5" x 6.7" x 17.3" (21.6 x 17.0 x 43.9 cm)
Net weight	16.6 lbs (7.9 kg)	21.6 lb (9.8 kg)	26.0 lb (11.8 kg)	42.6 lbs (19.3 kg)	54.1 lb (24.6 kg)
<b>USER REPLACEABLE BATTERIES</b>					
Type	User-replaceable, hot swappable, sealed, maintenance-free lead acid				
Typical recharge time	2-4 hours			3-6 hours	
<b>DIAGNOSTICS AND MANAGEMENT</b>					
Visible indicators	UPS On-line, on battery, UPS overload, replace battery, site wiring fault				
Audible alarms	On battery, low battery, UPS overload, replace battery				
Management	14 Day automatic self-test, manual self-test				
Serial DB9 RS-232 Connector	PowerChute software with network manageability, data saving, unattended shutdown and UPS diagnostics for Windows XP, Windows Me, Windows 98, Windows 95, Windows 2000 and Windows NT			Optional network auto-shutdown software	
<b>CONFORMANCE</b>					
Agency approvals	CSA, FCC Part15 Class B, FCC Part 68, UL 1778			CSA, FCC B, UL1778	
Warranty	2 year comprehensive, including battery				
Equipment Protection Policy	\$150,000 lifetime protection, including lightning (see policy for details)				
<b>TYPICAL RUNTIME IN MINUTES</b> (Runtimes may vary depending on your equipment. For the most recent sizing information go to <a href="http://sizing.apcc.com">sizing.apcc.com</a> )					
	Back-UPS Pro 280	Back-UPS Pro 420	Back-UPS Pro 650	Back-UPS Pro 1000	Back-UPS Pro 1400
Typical runtimes	14	20	45	79	145

# Award-winning surge protection for desktop computers

## Professional SurgeArrest®

### Advanced surge protection for any desktop computer

With an innovative design engineered to allow the use of up to 6 transformer block plugs, a <85V let-through rating and a front master on/off switch with a guard to avoid accidental turn offs, the SurgeArrest breaks new ground in surge protection.

The Professional SurgeArrest 8 outlet family offers:

- 2 "always on" outlets for devices that require constant power.
- Built-in 4 wire, 2 telephone line protection for modems, fax and internet (models Pro8T2/Pro8T2C).
- Built-in cable, DSS, or cable modem protection plus built-in single-line telephone/modem protection (model Pro8TV).
- Up to \$10,000 Lifetime Equipment Protection Policy (see policy for details).
- Lifetime Product Warranty.



# USB power protection solutions for your UPSs



## USB Conversion Kit

The APC USB Conversion Kit (Part # AP9584) is a cost-effective, flexible connectivity solution. It enables existing APC Back-UPS or Back-UPS Pro UPS customers to enjoy the benefits of USB technology in conjunction with Microsoft® Windows 98/Me or Windows 2000 operating systems while employ

ing comprehensive power protection from their existing APC UPSs.

The APC USB Conversion Kit contains a cable that translates serial communications into USB communications in a format understood by the operating system and software.

# Advanced power protection for servers and data centers

## APC Smart-UPS®

### High-Performance power protection for servers and networks

APC's award-winning Smart-UPS units range in size from 420VA to 5000VA, are available in tower and rack-mount configurations and offer perfect protection for everything from small business to enterprise servers.

Smart-UPS provide reliable battery back-up, network-grade line conditioning, safe shutdown capabilities with PowerChute® software, and remote management via a Web/SNMP Management Card.



APC's Manufacturing system is certified to ISO9001 & ISO14001 Standards.



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