



## Back-UPS CS 500 USB/Serial

APC Back-UPS CS, 500VA/300W, Input 230V/Output 230V, Interface Port DB-9 RS-232, USB  
Includes: CD with software, USB cable, User Manual

Part Number : **BK500EI**



### The re-invention of the most relied upon desktop UPS in history: the Back-UPS!

The Back-UPS CS provides professional-grade power protection for office and home office systems. Battery powered & surge protected power outlets, built-in phone/fax/modem line (DSL compatible) protection, safe system shutdown software with sophisticated power management features and pro-active audio-visual status indicators ensure office systems and their valuable data are protected from dangerous power surges, spikes and blackouts. Serial or USB connectivity gives users more flexibility making installation quicker and easier. Easy access to a hot-swappable, user-replaceable battery also makes servicing the Back-UPS CS hassle-free. These features along with its classic styling make the Back-UPS CS a perfect choice for protecting your important office and home office systems.

### Features & Benefits

#### Protection

Battery-protected and surge-only outlets	Reserves power capacity and run time for connected equipment that require battery back-up while providing surge only protection for less critical equipment
Dataline Surge Protection	Provides protection of connected equipment from power surges on the data lines.
Power conditioning	Protects connected loads from surges, spikes, lightning, and other power disturbances.
Safety-agency approved	Ensures product testing and approval to work safely with the connected loads and within the environment.

## Convenience

Audible alarms	Provides notification of changing utility power and UPS conditions.
Automatic restart of loads after UPS shutdown	Automatically starts up the connected equipment upon the return of utility power.
Automatic self-test	Ensures early detection of potential problems by periodic testing of UPS components.
Battery replacement without tools	Provides reduced risk of load disruption by allowing quick and easy battery replacement.
LED status indicators	Quickly understand UPS status with indicators.
Hot-swappable batteries	Ensures clean, uninterrupted power to protected equipment throughout battery replacement.
Resettable circuit breakers	Enables quick recovery from UPS overload events.
Transformer-block spaced outlets	Protect equipment with input transformer blocks without blocking access to other receptacles.
User-replaceable batteries	Enables simple upgrades and replacement of the Batteries.

## Manageability

Serial Connectivity	Provides management of the UPS via a serial port.
USB connectivity	Provides management of the UPS via USB port.

## Technical Specifications

### Output

Output power capacity	500 VA
Output power capacity	300 watts
Max Configurable Power	500 VA
Max Configurable Power	300 watts
Nominal output voltage	230V
Output Connections	

(1) IEC 320 C13 (Surge Protection)



(3) IEC 320 C13 (Battery Backup)

(2) IEC Jumpers (Battery Backup)



### Input

Nominal input voltage	230V
Input frequency	50/60 Hz +/- 3 Hz (auto sensing) Hz
Input Connection Type	IEC-320-C14 inlet

Input voltage range for main operations

196 - 280 V

Input voltage adjustable range for mains operation

160 - 300 V

### Batteries & Runtime

Battery type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Replacement battery cartridge	RBC2
RBC™ Quantity	1
Typical backup time at half load	13.9 minutes (150 Watts)
Typical backup time at full load	2.4 minutes (300 Watts)

### Surge Protection and Filtering

Surge energy rating	300 Joules
Filtering	Full time multi-pole noise filtering : 5% IEEE surge let-through : zero clamping
response time : meets UL 1449	
Dataline protection	RJ-45 Modem/Fax protection (two wire single line)

### **Communications & Management**

Interface port DB-9 RS-232 , USB  
Control panel LED status display with On  
Line : On Battery : Replace Battery and Overload indicators  
Audible alarm Alarm when on battery :  
distinctive low battery alarm : overload continuous tone  
alarm

### **Environmental**

Operating Environment 0 - 40 °C ( 32 - 104 °F )  
Operating Relative Humidity 0 - 95 %  
Operating Elevation 0-10000 feet ( 0-3000  
meters )  
Storage Temperature -15 - 45 °C ( 5 - 113 °F )  
Storage Relative Humidity 0 - 95 %  
Storage Elevation 0-50000 feet ( 0-15000  
meters )  
Online thermal dissipation 19 BTU/hr

### **Physical**

Maximum height 7 inches ( 16.51 cm )  
Maximum width 4 inches ( 9.14 cm )  
Maximum depth 11 inches ( 28.45 cm )  
Net weight 14 lbs. ( 6.32 kg )  
Shipping Weight 16 lbs. ( 7.05 kg )  
Shipping Height 7 inches ( 17.78 cm )  
Shipping Width 10 inches ( 24.13 cm )  
Shipping Depth 15 inches ( 36.83 cm )  
Color Beige

### **Conformance**

Approvals C-tick , CE , EN 50091-1 ,  
EN 50091-2 , GOST , PCBC , VDE  
Standard warranty 2 years repair or replace  
Equipment protection policy Lifetime : 100000 Euro ,  
Lifetime : 50000 GBP