



### APC Smart-UPS 750VA USB RM 1U 230V

APC Smart-UPS, 750VA/480W,  
Input 230V/Output 230V, Interface  
Port DB-9 RS-232, SmartSlot,  
USB, Rack Height 1 U  
Includes: CD with software, Rack  
Mounting Brackets, Rack  
Mounting support rails, Smart UPS  
signalling RS-232 cable, USB  
cable, User Manual



Part Number : **SUA750RMI1U**

#### Over 10 million currently installed - the one you can trust

APC Smart-UPS® protects your data by supplying reliable, network-grade power in either traditional Tower or Rack-optimized form factors for space constrained business critical applications. Award winning APC Smart-UPS® is the perfect UPS for protecting business critical file servers (Intel or UNIX based), minicomputers, network switches and hubs, Point of Sale, retail/bank back office and ATM's. Rack Mount versions are the choice for rack optimized servers, server appliances, blade servers, other blade devices and rack-mounted network switches and hubs.

With included PowerChute® management software for servers and workstations, IT administrators can provide safe system shutdown and advanced UPS management (All major operating systems supported). Connectivity is through serial or USB port (USB not standard on all models). Additional manageability is available through the SmartSlot, an internal accessory slot that allows you to install optional accessories to enhance the performance of your UPS. Network connection with Web browser management and/or environmental monitoring, serial port expansion, and out-of-band management options are available. With pure sine-wave output ensuring compatibility with all connected devices, Intelligent Battery Management ensuring a highly available UPS and an advanced 16 segment bar graph display ensuring information and management, the Smart-UPS® is a UPS you can count on.

## Features & Benefits

### Availability

|   |  |
|---|--|
| Power conditioning                                | Protects connected loads from surges, spikes, lightning, and other power disturbances.   |
| Temperature-compensated battery charging          | Prolongs battery life by regulating the charge voltage according to actual battery temperature.                                |
| Intelligent battery management                    | Provides higher availability through intelligent precision-charging that maximizes battery performance, life, and reliability. |
| 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.   |
| Boost and Trim Automatic Voltage Regulation (AVR) | Preserves battery life and maximizes run time by correcting low and high voltage conditions without discharging the battery.   |
| Cold-start capable                                | Provides temporary battery power when the utility power is out.  |
| Generator compatible                              | Ensures clean, uninterrupted power to protected equipment when generator power is used.  |

### Manageability

|                       |  |
|-----------------------|--|
| SmartSlot             | Customize UPS capabilities with management cards.  |
| Audible alarms        | Actively let you know if the unit is on battery, if the battery is low or if there is an overload condition. |
| LED status indicators | Quickly understand UPS status with indicators.   |
| Network manageable    | Provides remote management of the UPS over the network.  |
| Serial Connectivity   | Provides management of the UPS via a serial port.  |

### Serviceability

|                                 |   |
|---------------------------------|---|
| Hot-swappable batteries         | Ensures clean, uninterrupted power to protected equipment throughout battery replacement. |
| Predictive failure notification | Provides early-warning fault analysis ensuring proactive component replacement.           |
| Resettable circuit breakers     | Enables quick recovery from UPS overload events.  |

### Adaptability


|                                    |   |
|------------------------------------|---|
| Adjustable voltage-transfer points | Saves battery power and helps extend battery life.  |
| Adjustable voltage sensitivity     | Provides the ability to adapt the UPS for optimal performance in specific power environments or generator applications. |

### Safety

|                        |  |
|------------------------|--|
| Safety-agency approved | Ensures product testing and approval to work safely with the connected loads and within the environment. |
|------------------------|--|

## Technical Specifications

### Output

|                                  |  |
|----------------------------------|--|
| Output power capacity            | 750 VA   |
| Output power capacity            | 480 watts  |
| Max Configurable Power           | 750 VA   |
| Max Configurable Power           | 480 watts  |
| Nominal output voltage           | 230V   |
| Output Voltage Distortion        | less than 5% at full load  |
| Output Frequency (sync to mains) | 47-53Hz for 50Hz nominal ,<br>57-63Hz for 60Hz nominal   |
| Crest Factor                     | up to 5 : 1  |
| Waveform type                    | Sinewave   |
| Output Connections               | (4) IEC 320 C13 <br>(2) IEC Jumpers |

### Batteries & Runtime

|                                  |  |
|----------------------------------|--|
| Battery type                     | Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof |
| Replacement battery cartridge    | RBC34  |
| RBC™ Quantity                    | 1  |
| Typical backup time at half load | 23.6 minutes (240 Watts)   |
| Typical backup time at full load | 7.1 minutes (480 Watts)  |
| Runtime Chart                    | <a href="#">Smart-UPS</a>  |

### Communications & Management

|   |   |
|---|---|
| Interface port                          | DB-9 RS-232 , SmartSlot , USB   |
| Available Smart Slot Interface Quantity | 1   |
| Control panel                           | LED status display with load and battery bar-graphs and<br>On Line : On Battery :<br>Replace Battery : and<br>Overload Indicators |
| Audible alarm                           | Alarm when on battery :<br>distinctive low battery alarm :<br>configurable delays   |

### Input

|  |                                     |
|--|-------------------------------------|
| Nominal input voltage                              | 230V                                |
| Input frequency                                    | 50/60 Hz +/- 3 Hz (auto sensing) Hz |
| Input Connection Type                              | IEC-320 C14                         |
| Input voltage range for main operations            | 160 - 286 V                         |
| Input voltage adjustable range for mains operation | 151 - 302 V                         |

### Surge Protection and Filtering

|                     |  |
|---------------------|--|
| Surge energy rating | 480 Joules   |
| Filtering           | Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449 |

### 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  | 130 BTU/hr                      |

**Physical**

|                  |                         |
|------------------|-------------------------|
| Maximum height   | 1.72 inches ( 44 mm )   |
| Maximum width    | 17.00 inches ( 432 mm ) |
| Maximum depth    | 26.00 inches ( 660 mm ) |
| Rack Height      | 1 U                     |
| Net weight       | 48.00 lbs. ( 21.82 kg ) |
| Shipping Weight  | 56.00 lbs. ( 25.45 kg ) |
| Shipping Height  | 7.50 inches ( 191 mm )  |
| Shipping Width   | 22.00 inches ( 559 mm ) |
| Shipping Depth   | 30.50 inches ( 775 mm ) |
| Color            | Black                   |
| Units per Pallet | 10.00                   |

**Conformance**

|                   |  |
|-------------------|--|
| Approvals         | C-tick , CE , EN 50091-1 , EN 50091-2 , GOST , PCBC , VDE  |
| Standard warranty | 2 years repair or replace , optional on-site warranties available , optional extended warranties available |