

Smart-UPS

APC Smart-UPS 2200VA USB & Serial RM 2U 120V



APC Smart-UPS, 1980 Watts / 2200 VA, Input 120V / Output 120V, Interface Port DB-9 RS-232, SmartSlot, USB, Rack Height 2 U

Includes: CD with software, Rack Mounting support rails, Smart UPS signalling RS-232 cable, USB cable, User Manual



Standard Lead Time: Usually in Stock

SUA2200RM2U Features

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| Replace Battery LED | An external Replace Battery LED informs the end-user that the battery needs to be replaced. |
| Pure sinewave battery backup | Prevents interruptions, lost pre-sets, missed DVR recordings, lost multimedia server data and premature projector bulb wear and tear when the power goes out. |
| Global safety approvals | UL60950, CSA60950, IEC60950, EN60950 safety approvals. Meets IEC 61000-4-5 Immunity To Surge, and GR-1089-CORE, Section 4, Lightning and AC Power Faults standards. |
| Field-replaceable power distribution panel | Ensures compatibility with equipment that has different plug types. |
| USB Connectivity | Provides management of the UPS via a USB port (not available on all models). |
| Plug-and-Play installation | |

Smart-UPS Features & Benefits

Availability

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| Boost and Trim Automatic Voltage Regulation (AVR) | Gives higher application availability by correcting low and high voltage conditions without using the battery. |
| Intelligent Battery Management | Maximizes battery performance, life, and reliability through intelligent, precision charging. |
| 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 battery temperature. |
| Automatic restart of loads after UPS shutdown | Automatically starts up the connected equipment upon the return of utility power. |
| Automatic self-test | Periodic battery self-test ensures early detection of a battery that needs to be replaced. |
| Cold-start capable | Provides temporary battery power when the utility power is out. |
| Disconnected battery notification | Warns when a battery is not available to provide backup power. |
| Generator Compatible | Ensures clean, uninterrupted power to protected equipment when generator power is used. |



Manageability

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| Network manageable | Provides remote management of the UPS over the network. |
| 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.

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| LED status indicators | Quickly understand unit and power status with visual indicators. |
| Serial Connectivity | Provides management of the UPS via a serial port. |
| USB Connectivity | Provides management of the UPS via a USB port (not available on all models). |
| Disconnected battery notification | Warns when a battery is not available to provide backup power. |
| InfraStruXure Manager Compatible | Enables centralized management via the APC InfraStruXure® Manager. |
| Serviceability | |
| User-replaceable batteries | Increases availability by allowing a trained user to perform upgrades and replacements of the batteries reducing Mean Time to Repair (MTTR) |
| Hot-swappable batteries | Ensures clean, uninterrupted power to protected equipment while batteries are being replaced |
| Predictive failure notification | Provides early-warning fault analysis ensuring proactive component replacement. |
| Resettable circuit breakers | Enables a quick recovery from overload events. |
| Adaptability | |
| Adjustable voltage-transfer points | Maximizes useful battery life by widening the input voltage window or tightening the output voltage regulation. |
| Adjustable voltage sensitivity | Provides the ability to adapt the UPS for optimal performance in specific power environments or generator applications. |
| Field-replaceable power distribution panel | Ensures compatibility with equipment that has different plug types. |
| Safety | |
| Safety-agency approved | Ensures the product has been tested and approved to work safely with the connected service provider equipment and within the specified environment. UL, FCC, CE, C-Tick approvals. |

Output

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| Output Power Capacity | 1980 Watts / 2200 VA | |
| Max Configurable Power | 1980 Watts / 2200 VA | |
| Nominal Output Voltage | 120V | |
| Efficiency at Full Load | 95% | |
| Output Voltage Distortion | Less than 5% at full load | |
| Output Frequency (sync to mains) | 47 - 53 Hz for 50 Hz nominal, 57 - 63 Hz for 60 Hz nominal | |
| Crest Factor | up to 5 : 1 | |
| Waveform Type | Sine wave | |
| Output Connections | (6) NEMA 5-15R |  |
| | (2) NEMA 5-20R |  |

Input

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|--|----------------------------------|---|
| Nominal Input Voltage | 120V | |
| Input Frequency | 50/60 Hz +/- 3 Hz (auto sensing) | |
| Input Connections | NEMA 5-20P |  |
| Cord Length | 2.44 meters | |
| Input voltage range for main operations | 82 - 144V | |
| Input voltage adjustable range for mains operation | 75 - 154V | |

Batteries & Runtime

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| Battery Type | Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof |
| Typical recharge time | 3 hour(s) |
| Replacement Battery | RBC43 |
| RBC™ Quantity | 1 |
| Typical Backup Time at Half Load | 15.7 minutes (990 Watts) |

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| Typical Backup Time at Full Load | 5.2 minutes (1980 Watts) |
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| Runtime Chart | Smart-UPS |
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Communications & Management

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| Interface Port(s) | DB-9 RS-232,SmartSlot,USB |
| Available SmartSlot™ Interface Quantity | 1 |
| Control panel | LED status display with load and battery bar-graphs and On Line : On Battery : Replace Battery : and Overload Indicators |
| Audible Alarm | Alarm when on battery : distinctive low battery alarm : configurable delays |
| Emergency Power Off (EPO) | Yes |

Surge Protection and Filtering

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| 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 |

Physical

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| Maximum Height | 89.00 mm |
| Maximum Width | 483.00 mm |
| Maximum Depth | 660.00 mm |
| Rack Height | 2U |
| Net Weight | 43.64 KG |
| Shipping Weight | 56.82 KG |
| Shipping Height | 254.00 mm |
| Shipping Width | 622.00 mm |
| Shipping Depth | 980.00 mm |
| Color | Black |
| Units per Pallet | 8.00 |

Environmental

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| Operating Environment | 0 - 40 °C |
| Operating Relative Humidity | 0% |
| Operating Elevation | 0-3000 meters |

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| Storage Temperature | -15 - 45 °C |
| Storage Relative Humidity | 0% |
| Storage Elevation | 0-15000 meters |
| Audible noise at 1 meter from surface of unit | 47.00 dBA |
| Online Thermal Dissipation | 300.00 BTU/hr |
| Protection Class | -- |

Conformance

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| Regulatory Approvals | BSMI,CSA,UL 1778,FCC Part 15 Class A |
| Standard Warranty | 2 years repair or replace,optional on-site warranties available,optional extended warranties available |
| ROHS/WEEE Compliance | RoHS 7b Exemption |

**The time to recharge to 90% of full battery capacity following a discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.