

APC™

by Schneider Electric

Uninterruptible power Supply



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BACK UP UPS POWER 0.5 ~ 1.5KVA



Back up UPS

Introduction

The Back-UPS family offers guaranteed power protection for wireless networks, computers, gaming consoles and other electronics in your home or business. Models supply battery backup during outages and unsafe voltage fluctuations, as well as provide protection from damaging surges and spikes. They're available in 'tower' or 'floor' styles, and together with a variety of standard features, they are the perfect choice to protect your data and keep you connected.

Model and physical measurement

| | | | | |
|------------|----------------------|-------------|--|-------------|
| BK500-AS | H*W*D mm=165*91*284 | N.W 6.32 kg | packaging measurement H*W*D mm=178*241*368 | G.W 7.05kg |
| BK650-AS | H*W*D mm=165*91*284 | N.W 6.40 kg | packaging measurement H*W*D mm=494*185*415 | G.W 7.32kg |
| BR650CI-AS | H*W*D mm=122*300*203 | N.W 6.7 kg | packaging measurement H*W*D mm=183*280*420 | G.W 7.7kg |
| BR1000 | H*W*D mm=220*130*340 | N.W 12.0kg | packaging measurement H*W*D mm=311*244*454 | G.W 13.0kg |
| BK1000Y | H*W*D mm=151*100*299 | N.W 5.83kg | packaging measurement H*W*D mm=213*158*402 | G.W 6.22kg |
| SC420I | H*W*D mm=168*119*368 | N.W 9.09kg | packaging measurement H*W*D mm=318*262*508 | G.W 10.23kg |
| SC620I | H*W*D mm=168*119*375 | N.W 12.27kg | packaging measurement H*W*D mm=318*262*508 | G.W 13.18kg |
| SC1000I | H*W*D mm=89*432*463 | N.W 16.36kg | packaging measurement H*W*D mm=254*610*610 | G.W 19.55kg |
| SC1500I | H*W*D mm=89*432*463 | N.W 21.36kg | packaging measurement H*W*D mm=254*610*610 | G.W 24.55kg |



Smart UPS SUA SERIES 1 ~ 5KVA

Introduction

APC award – winning Smart-UPS is the most popular UPS in the world for servers, storage and networks. Trusted to protect critical data and equipment from power problems by supplying clean and reliable network-grade power. In addition to legendary reliability and manageability, Smart-UPS have extremely high efficiency at low, medium and high load levels making them ideal for today's multi-core or virtualized servers that have varying load consumption. Available in a variety of form factors (tower, rack mount, rack/tower convertible) there is a model for every application and budget. Rack mounted Smart-UPS are ideal for powering Blade or density optimized servers in a distributed power protection environment as the primary or redundant protection. Smart-UPS models have long been considered the benchmark for all network and server UPS's. Smart-UPS feature a 16-segment LED display, extended range automatic voltage regulation (AVR), and pure sine wave output on battery. Additional manageability options are available through the Smart-Slot interface, which is an internal slot for the installation of optional accessory cards. The extended run Smart-UPS XL has the capability to add external battery packs to scale runtime from minutes to hours typically needed for converged voice and data networks. The entry level Smart-UPS SC is an economical choice for small and medium businesses looking to protect small switches, networking devices and point-of-sale (POS) equipment.



Technical Specifications

| MODEL (internal battery) | SUA750I | SUA1000I | SUA1500I | SUA2200I | SUA3000I |
|--|--|-------------|-------------|---|-------------|
| Nominal power (VA/W) | 750 / 500 | 1000 / 670 | 1500 / 980 | 2200 / 1600 | 3000 / 2250 |
| With Powerchute software | Support windows NT/2000, novell netWare, SCO unixWare, SCO Open server and measurement linux | | | | |
| H*W*D mm | 157*137*358 | 216*170*439 | | 432*196*546 | |
| Packaging measurement H*W*D mm | 290*270*500 | 381*330*584 | 370*330*590 | 559*381*762 | |
| N.W (kg) | 13.2 | 19.1 | 24.1 | 50.8 | 55.8 |
| G.W (kg) | 14.55 | 20.91 | 27 | 60.91 | 64.55 |
| Nominal input voltage | 230VAC, 50/60 Hz (auto sensing) | | | | |
| Input connections | IEC-320 C14 | | | IEC320 C20(16AMP)*1 | |
| Output plug | 6 | 8 | 8 | 8 pcs IEC320 C13 (10AMP) + 1pcs IEC320 C19(16AMP) | |
| SmartSlot interface port(s) | 1 | 1 | 1 | 1 | 1 |
| Transfer time | 2ms | | | | |
| Input voltage range for main operations | 160~285Vac | 160~286Vac | | 174~286Vac | |
| Input voltage adjustable range for mains operation | 151~302Vac | 151~302Vac | | 168~302Vac | |
| output voltage range | 208~253Vac | | | 196~253Vac | |
| Battery | 2pcs12V7AH | 2pcs12V12AH | 2pcs12V17AH | 4pcs12V17AH | 4pcs12V17AH |
| Online thermal dissipation (BTU/hour) | 90 | 100 | 135 | 275 | 375 |
| Audible noise at 1 meter from surface of unit | <41dBA | <41dBA | <45dBA | <45dBA | <53dBA |
| Operating environment | Highest elevation 3000 meters, 0~40°C, humidity 0~95% | | | | |
| Storage condition | Highest elevation 15000 meters, -15~45°C | | | | |



Technical Specifications

| Model (external battery For long time) | SUA750XLI | SUA1000UXI | SUA2200UXI | SUA3000UXI | SU5000UXI |
|--|--|------------------|-----------------------------|-----------------------------|-----------------------------|
| Nominal power (VA/W) | 750 / 600 | 1000 / 800 | 2200 / 1600 | 3000 / 2250 | 5000 / 3750 |
| Instruction | Internal battery | External battery | | | |
| H*W*D mm | 216*170*439 | 216*170*439 | 432*196*546 | | 439*229*665 |
| Packaging measurement H*W*D mm | 387*320*591 | 381*330*584 | 559*381*762 | | 635*610*762 |
| N.W (kg) | 24.09 | 12.91 | 28.64 | | 71.36 |
| G.W (kg) | 26.36 | 15 | 33.64 | | 80.91 |
| Output voltage | Configurable for 220 : 230 or 240 nominal output voltage | | | | |
| Output connection | 8*IEC 320 C13 | 8*IEC 320 C13 | 8*IEC 320 C13 1*IEC 320 C19 | 8*IEC 320 C13 1*IEC 320 C19 | 4*IEC 320 C13 1*IEC 320 C19 |
| Nominal input voltage | 230VAC, 50/60 Hz +/- 3 Hz (auto sensing) | | | | |
| Input connections | IEC 320 C14 | IEC 320 C14 | IEC 320 C20 | IEC 320 C20 | Hard-wired |
| SmartSlot interface port(s) | 1 | 1 | 1 | 1 | 1 |
| Input voltage range for main operations | 174~286Vac | 160~285Vac | 174~286Vac | 174~286Vac | 174~286Vac |
| Input voltage adjustable range for mains operation | 168~302Vac | 151~302Vac | 168~302Vac | 168~302Vac | 168~302Vac |
| Battery | 24VDC | 24VDC | 48VDC | 48VDC | 48VDC |
| Online thermal dissipation (BTU/hour) | 100 | 120 | 305 | 375 | 1311 |
| Audible noise at 1 meter from surface of unit | <42dBA | <42dBA | <53dBA | <53dBA | <67dBA |
| Operating environment | Highest elevation 3000 meters, 0~40°C, humidity 0~95% | | | | |
| Storage condition | Highest elevation 15000 meters, -15~45°C | | | | |

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Smart UPS SURT SERIES 1 ~ 20KVA



APC-SURT Series Application areas:

- ▶ Small Data Center (Web Room, storage devices, server room)
- ▶ Factory process control and automation systems, medical systems
- ▶ Schools, communication bureau stations, retail systems, hotels, casinos
- ▶ Radio, television, community monitoring and remote base stations



Back-UPS MT Series features

MultiPower Series is off-line UPS specially designed for users of advanced workstations and network nodes. This series represents the latest R&D achievement, incorporates SMD technology, adopts a completely plastic case and is thus compact and light. Wide Input voltage / Frequency range, Generator compatibility

- ▶ Built-in AVR (Automatic Voltage Regulator)
- ▶ Dedicated AVR with surge protection outlet
- ▶ Surge protection port for network (RJ45) or Modem (RJ11)
- ▶ DB-9 communication port
- ▶ Sealed lead-acid, maintenance free battery



Technical Specifications

| Model Type | Nominal capacity | Socket | Stability voltage (Input range) | Output voltage (Battery model) | Lead-acid battery | | Size H*W*D mm N.W kg | |
|-------------|------------------|------------------|--|--------------------------------|---|---------------------------|-------------------------|-----------------------|
| | | | | | Qty | Back up time Half-load | | Charging time |
| MT500-pro | 500VA | 3 ⁽¹⁾ | 148~295VAC (Ultra strong model) 173 ~ 266VAC (Standard model) | 220 ± 10%VAC (50 ± 1Hz) | 1 | 6-8Mins | ≤ 10Hour | 198 × 317 × 79 |
| | 100VA | 1 ⁽²⁾ | | | | | | 5.0Kg |
| MT1000-pro | 1000VA | 3 ⁽¹⁾ | | | 2 | 8-9Mins | ≤ 10Hour | 220 × 430 × 84 |
| | 200VA | 1 ⁽²⁾ | | | | | | 9.5Kg |
| MT1000L-pro | 1000VA | 3 ⁽¹⁾ | | | 4 | ≥ 30Mins | ≤ 10Hour | 2 × (220 × 430 × 84) |
| | 200VA | 1 ⁽²⁾ | | | | | | 15.6Kg |
| MT1000S-pro | 1000VA | 3 ⁽¹⁾ | | | Long-term machine with 6 A large current intelligent charging module, external battery packs, and spare time can be selected. | 220 × 430 × 84 | | |
| | 200VA | 1 ⁽²⁾ | | | | | 4.3Kg | |

Network protection port: RJ45/RJ11;
 Communication port: DB - 9P;
 Environment Temperature 0°C~40°C;
 Environment Humidity 10%~90%;



ONLINE- C SERIES UPS 1~20KVA

C-Series 1~3KVA Applications

- ▶ Internet room, telephone room, wiring closet
- ▶ Factory process control and automation systems
- ▶ Schools, medium-sized retail systems, hotels, casinos
- ▶ Radio, television, radio, remote base stations

Online-UPS C Series features

As a new generation of commonly applicable UPS, Santak Castle C1KVA~3KVA series is a combination of the latest R&D results and the past experiences. It can be applied to IT load equipment of small and middle business users.



- ▶ DSP Technology
- ▶ Green and Environment-friendly
- ▶ Wide Input Voltage and Frequency Range
- ▶ Zero Conversion Automatic Adjustment to 50Hz/60Hz Power Supply System
- ▶ Strong Expansion Function
- ▶ Load Power Factor 0.8
- ▶ Combination with Generators

Technical Specifications

| Model Type | C1K | C1KS | C2K | C2KS | C3K | C3KS |
|-----------------------|---|--|-------------|-------|-------------|-------|
| Nominal Capacity | 1 KVA | 1 KVA | 2 KVA | 2 KVA | 3 KVA | 3 KVA |
| Input | VAC | 115-300 | | | | |
| | Power factor | > 0.98 (Full-load) | | | | |
| | Frequency | 40-60 (Regulated) | | | | |
| Output | VAC | 200*(1 ± 2%) | | | | |
| | Power factor | 0.8 | | | | |
| | Frequency | Power network synchronization (electric power model) 50 ± 0.2% (battery model) | | | | |
| | Over-load capability | 47S Load > 110% 25S Load > 150% 300MS Load > 200% | | | | |
| Battery | Type | Valve controlled free maintenance lead-acid battery | | | | |
| | Back up time | > 11Mins (half-load) | | | | |
| | Nominal voltage | 36VDC | 72VDC | | 96VDC | |
| Transfer Time | Null transformation | | | | | |
| Operating Environment | Temperature 20%-90% humidity 0° C-40° C | | | | | |
| Size W*D*H(mm) | 145*355*220 | | 190*383*318 | | 190*433*318 | |
| N.W (kg) | 12 | 6.5 | 23 | 10.5 | 28 | 11.5 |