

SMART KING

Pure sine wave output for any critical load

- Line interactive design
- Boost and buck AVR
- Overload, on-line, battery status LED or LCD display
- Hot swappable battery replacement by users
- Fully digitized microprocessor controlled
- Smart RS-232 communication port
- Lightning and surge protection
- Short circuit and overload protection
- 50/60Hz frequency auto sensing
- Tel/modem internet spike protection
- Site wiring fault warning *
- Smart power management with software
- Load/Battery power meter display
- Advanced battery management (ABM)
- Energy saving (UPS sleep mode)
- Cold start (DC power on)
- SNMP capability (option)
- USB capability (option)
- Extend backup time by adding ext. battery packs **
- Built in fast charger (nominal : 3.5A, 1.5A~8A adjustable) **/**
- Backup time depends on quantities of connected ext. battery packs ***

* feature only for 100V/110V/115V models

** XL models

*** AL models

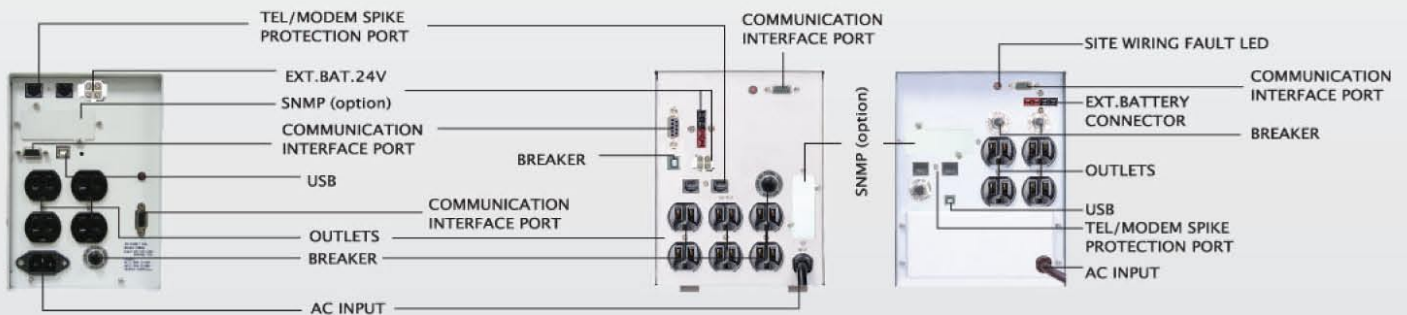
SMK-600/800/1000/1250/1500/2000/2500/3000A



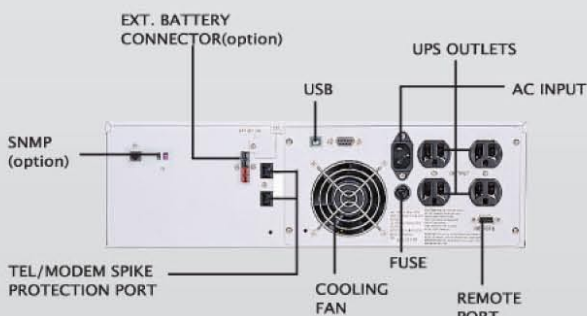
(For SMK-3000A-LED/LCD only)

SMK-600/800/1000/1250A

SMK-1500/2000/2500/3000A(220V)



SMK-3000A(110V)



SMK-600~3000A-RM (2U)(3U)



SMK-600A~3000A-RM (3U)

With Extended Battery Pack for SXL Model



SXL-5100A

Specification

| Tower Model | | SMK-600A | SMK-800A | SMK-1000A | SMK-1250A | SMK-1500A |
|-----------------------------|---|---|-----------------|------------------|-------------------------------|---|
| 19" Rack-mount Model (2U) | | SMK-600A-RM(2U) | SMK-800A-RM(2U) | SMK-1000A-RM(2U) | SMK-1250A-RM(2U) | SMK-1500A-RM(2U) |
| 19" Rack-mount Model (3U) | | SMK-600A-RM(3U) | SMK-800A-RM(3U) | SMK-1000A-RM(3U) | SMK-1250A-RM(3U) | SMK-1500A-RM(3U) |
| INPUT | Capacity | 600VA | 800VA | 1000VA | 1250VA | 1500VA |
| | Voltage | +/-25% at line input, single phase | | | | |
| | Frequency | 50 or 60Hz +/-5Hz (auto sensing) | | | | |
| OUTPUT | Voltage (on battery) | Pure sine wave at +/-5% of nominal, -10% of nominal after low battery warning | | | | |
| | Frequency (on battery) | 50 or 60Hz +/-0.5% | | | | |
| | Voltage Regulation(AVR) | AVR automatically increase output voltage 15% above input voltage if -9% to -25% of nominal. AVR decrease output voltage 15% below input voltage if +9% to +25% of nominal | | | | |
| PROTECTION and FILTERING | Spike Protection | 320 Joules, 2ms | | | | |
| | Unit Input | Fuse for 110V models Except 3000A, breaker for 220V models Except 1000A | | | | |
| | EMI/RFI filter | 10dB at 0.15MHz, 50 dB at 30MHz | | | | |
| | Overload Protection | UPS automatic shutdown if overload exceeds 110% of nominal at 20 seconds and 125% at 5 seconds. | | | | |
| | Transfer Time | 6~8 milliseconds (typical), including detection time | | | | |
| | Short Circuit | UPS output cut off immediately or input fuse(or breaker) protection | | | | |
| BATTERY | Back up time (one PC and one 15" monitor) | ≈ 50 min | ≈ 50 min | ≈ 50 min | ≈ 45 min | ≈ 75 min |
| | Protection | Automatic self-test & discharge protection, Replace battery indicator | | | | |
| | Type | Hot swappable, sealed, maintenance-free lead acid, with 3-6 years lifetime | | | | |
| | Typical Recharge Time | 4 hours (to 90% of full capacity) | | | | |
| NET WEIGHT kg (lbs) | Tower | 13.8 (30.4 lb) | 14.5 (31.9 lb) | 15.0 (33.0 lb) | 15.8 (34.8 lb) | 25.0 (55.0 lb) |
| | 19" Rack-mount Model (2U) | 15.7 (34.5 lb) | 18.0 (39.6 lb) | 20.0 (44.5 lb) | 23.5 (51.7 lb) | 26.1 (57.4 lb) |
| | 19" Rack-mount Model (3U) | | 18.0 (39.6 lb) | 20.0 (44.5 lb) | 23.5 (51.7 lb) | 26.1 (57.4 lb) |
| DIMENSION W x D x H (mm) | Tower | 140 x 436 x 210 (5.5" x 17.2" x 8.3") | | | | 170 x 450 x 226 (6.7" x 17.7" x 8.9") |
| | 19" Rack-mount Model (2U) | 483 x 430 x 84 (19.0" x 16.9" x 3.3") | | | | 483 x 540 x 84 (19.0" x 21.2" x 3.3") |
| | 19" Rack-mount Model (3U) | 483 x 381 x 130 (19.0" x 15.0" x 5.1") | | | | 483 x 381 x 130 (19.0" x 15.0" x 5.1") |
| SYSTEM DISPLAY | LED Indicators | Battery capacity, load capacity, overload, back up, replace battery, buck AVR, line normal, boost AVR | | | | |
| | LCD Indicators | Indicate line, bypass, inv, backup, fault, bat capacity, load capacity, I/P frequency, O/P voltage, O/P frequency, inside temperature, fault status, load | | | | |
| ALARM | Battery Back-up | Slow beeping sound (about 0.25Hz) | | | | |
| | Battery Low | Rapid beeping sound (about 1.00Hz) | | | | |
| | Overload | Continue beeping sound | | | | |
| INTERFACE | Dry contact | Sends AC fail and battery low signals, and receives shutdown signal from computer. | | | | |
| | RS232 | Detect battery low, Schedule UPS on/off, AC input/output power status display. | | | | |
| | Option | Novell, SNMP, Windows NT, Windows 95/98/2000/ME | | | | |
| ENVIRONMENT | Ambient operation | 3,500 meters max. elevation, 0-95% humidity non-condensing, 0-48 deg C | | | | |
| | Audible noise | <40dBA | | | <45dBA (1 meter from surface) | |
| | Storage condition | 15,000meters max. elevation | | | | |

Specification

| Tower Model | | SMK-2000A | SMK-2500A | SMK-3000A* |
|-----------------------------|---|---|--|--|
| 19" Rack-mount Model (2U) | | SMK-2000A-RM(2U) | SMK-2500A-RM (2U) | SMK-3000A-RM (2U) |
| 19" Rack-mount Model (3U) | | SMK-2000A-RM(3U) | SMK-2500A-RM (3U) | SMK-3000A-RM (3U) |
| INPUT | Capacity | 2000VA | 2500VA | 3000VA |
| | Voltage | +/-25% at line input, single phase | | |
| | Frequency | 50 or 60Hz +/-5Hz (auto sensing) | | |
| OUTPUT | Voltage (on battery) | Pure sine wave at +/-5% of nominal, -10% of nominal after low battery warning | | |
| | Frequency (on battery) | 50 or 60Hz +/-0.5% | | |
| | Voltage Regulation(AVR) | AVR automatically increase output voltage 15% above input voltage if -9% to -25% of nominal. AVR decrease output voltage 15% below input voltage if +9% to +25% of nominal | | |
| PROTECTION and FILTERING | Spike Protection | 320 Joules, 2ms | | |
| | Unit Input | Fuse for 110V models Except 3000A, breaker for 220V models Except 1000A | | |
| | EMI/RFI filter | 10dB at 0.15MHz, 50 dB at 30MHz | | |
| | Overload Protection | UPS automatic shutdown if overload exceeds 110% of nominal at 20 seconds and 125% at 5 seconds. | | |
| | Transfer Time | 6-8 milliseconds (typical), including detection time | | |
| | Short Circuit | UPS output cut off immediately or input fuse(or breaker) protection | | |
| BATTERY | Back up time (one PC and one 15" monitor) | ≈ 120 min | ≈ 110 min | ≈ 290 min |
| | Protection | Automatic self-test & discharge protection, Replace battery indicator | | |
| | Type | Hot swappable, sealed, maintenance-free lead acid, with 3-6 years lifetime | | |
| | Typical Recharge Time | 4 hours (to 90% of full capacity) | | |
| NET WEIGHT kg (lbs) | Tower | 30.0 (66.0 lb) | 30.0 (66.0 lb) | 19.8 (43.6 lb) |
| | 19" Rack-mount Model (2U) | 43.2 (95.0 lb) | | |
| | 19" Rack-mount Model (3U) | 28.4 (62.5 lb) | | |
| DIMENSION W x D x H (mm) | Tower | 170 x 450 x 226 (6.7" x 17.7" x 8.9") | 170 x 580 x 226 (6.7" x 22.8" x 8.9") | 170 x 450 x 226 (6.7" x 17.7" x 8.9") |
| | 19" Rack-mount Model (2U) | 483 x 615 x 84 (19.0" x 24.2" x 3.3") | | |
| | 19" Rack-mount Model (3U) | 483 x 381 x 130 (19.0" x 15.0" x 5.1") | | |
| SYSTEM DISPLAY | LED Indicators | Battery capacity, load capacity, overload, back up, replace battery, buck AVR, line normal, boost AVR | | |
| | LCD Indicators | Indicate line, bypass, inv, backup, fault, bat capacity, load capacity, I/P frequency, O/P voltage, O/P frequency, inside temperature, fault status, load | | |
| ALARM | Battery Back-up | Slow beeping sound (about 0.25Hz) | | |
| | Battery Low | Rapid beeping sound (about 1.00Hz) | | |
| | Overload | Continue beeping sound | | |
| INTERFACE | Dry contact | Sends AC fail and battery low signals, and receives shutdown signal from computer. | | |
| | RS232 | Detect battery low, Schedule UPS on/off, AC input/output power status display. | | |
| | Option | Novell, SNMP, Windows NT, Windows 95/98/2000/ME | | |
| ENVIRONMENT | Ambient operation | 3,500 meters max. elevation, 0-95% humidity non-condensing, 0-48 deg C | | |
| | Audible noise | <45dBA (1 meter from surface) | | |
| | Storage condition | 15,000meters max. elevation | | |

OUTPUT RECEPTACLE OPTION



UPSMON plus Power Management Software

