

Smart King

Pure sine-wave output for any critical load



UPS SYSTEMS

INDUSTRIAL DC
SYSTEMS

INDUSTRIAL &
EQUIPMENT
BATTERIES

BATTERY
CHARGERS

INVERTERS

EMERGENCY &
EXIT LIGHTING

RENEWABLE
ENERGY

INSTALLATION
& SERVICE

- Line interactive design
- Boost and buck AVR
- Hot swappable battery by user
- Digital microprocessor controlled
- Smart RS-232 and USB communications ports
- Cold-start DC power on
- Lightning and surge protection
- Short-circuit and overload protection
- 50/60Hz frequency auto sensing
- Load/Battery Power Meter Display
- Smart power management with software
- Overload, online and battery status indication
- Tel/Modem internet spike protection
- Battery-saver feature - UPS idle mode
- Web/SNMP card slot
- LCD display front panel
- Wide input voltage range
- 5100VA rack and tower convertible model

NIKKO[®]
by POWERCOM

SPECIFICATIONS*:

| | | | | | | |
|------------------------|-------------------------------|--|---------------|---------------|---------------|---------------|
| Tower Model | SMK-600A-LCD | SMK-1000A-LCD | SMK-1500A-LCD | SMK-2000A-LCD | SMK-3000A-LCD | SXL-5100A-RT |
| 19" Rack-mount Model | SMK-800A-RM | SMK-1250A-RM | SMK-1500A-RM | SMK-2000A-RM | SMK-3000A-RM | SXL-5100A-RT† |
| INPUT | Capacity (VA/W) 600VA/360W | 1000VA/600W | 1250VA/750W | 1500VA/900W | 2000VA/1200W | 3000VA/1800W |
| | 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 & FILTERING | Spike Protection | 320 Joules, 2ms | | | | |
| | Unit Input | Fuse for models from 600VA~1500VA, breaker for models above 1500VA | | | | |
| | 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 | 2/4 milliseconds (typical), including detection time | | | | |
| | Short Circuit | UPS output cut off immediately or input fuse(or breaker) protection | | | | |
| BATTERY | Type | Hot swappable, sealed, maintenance-free lead acid, with 5 years design life | | | | |
| | DC Voltage/Battery | 12V/7Ah | 24V/7Ah | 24V/7Ah | 36V/7Ah | 48V/7Ah |
| | Typical Recharge Time | 4 hours (to 90% of full capacity) | | | | |
| | Protection | Automatic self-test & discharge protection. Replace battery indicator | | | | |
| PHYSICAL | Back up Time (Full Load) | 7 min | 7 min | 7 min | 7 min | 7 min |
| | Tower mm WxDxH | 140 x 436 x 210 | | | | |
| | 19" RM mm WxDxH | 483 x 381 x 84 | | | | |
| | Net Weight (Tower) kg | 13.8 | 15.0 | 25 | 30 | 45 |
| | Net Weight (19" RM) kg | 18.0 | 23.5 | 26.1 | 28.4 | 32.5 |
| | Outlets (IEC320) - tower | 4 | 4 | 6 | 6 | 6 |
| | Outlets (IEC320) - rack | 4 | 4 | 4 | 4 | 4 |
| LCD Indicators | Status | Indicate line, bypass, inv, backup, fault, bat capacity, load capacity, I/P frequency, O/P frequency, inside temperature, fault status, load | | | | |
| INTERFACE | RS232 | Detect battery low, Schedule UPS on/off, AC input/output power status display. | | | | |
| | Dry contact | Sends AC fail and battery low signals, and receives shutdown signal from computer. | | | | |
| ALARM | Battery Back-up | Slow beeping sound (about 0.25Hz) | | | | |
| | Battery Low | Rapid beeping sound (about 1.00Hz) | | | | |
| | Overload | Continuous tone | | | | |
| ENVIRONMENT | Ambient Operation | 3,500 meters max. elevation. 0-95% humidity non-condensing, 0-40 deg | | | | |
| | Audible Noise | <40dBA (1 meter from surface) | | | | |
| | Storage Condition | 15,000 meter max. elevation | | | | |
| CONFORMANCE | Safety | UL, CE, C-tick | | | | |
| | Warranty | 2 years | | | | |

* Specifications are subject to change without notice
† With optional SXL-5100/Rack kit



M+H
POWER SYSTEMS

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Australia & New Zealand
Batteries, UPS, Inverters, Battery
Chargers, Renewable Energy, DC
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