

## KING PRO Series

### Complete Protection for Internet Computers and Advanced Servers



#### Tower Model

##### KING PRO Series

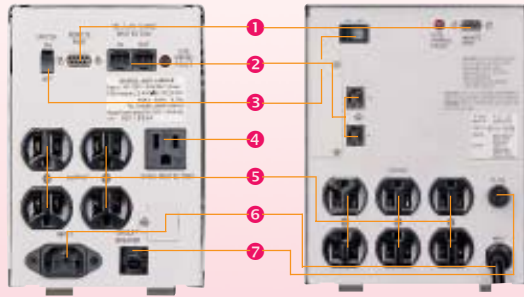
KIN-1000AP:	1kVA
KIN-1200AP:	1.2kVA
KIN-1500AP:	1.5kVA
KIN-2200AP:	2.2kVA

#### High Quality Features

- Line Interactive with Stabilizer Design
- 100% Digitized Microprocessor Controlled
- Automatic Voltage Regulator for Boost & Buck ( $\pm 25\%$ )
- Energy Saving (noload shutdown: UPS sleep mode)
- Advanced Battery Management (ABM)
- Cold Start (DC power on)
- Lightning and Surge Protection
- EMI/RFI Noise Filter
- Short Circuit and Overload Protection
- Automatically Charging when UPS off
- Automatic Self-test (diagnostic and battery check)
- On-battery Overload LED Display
- Battery Replacement LED Display
- Boost and Buck LEDs Display
- Hot Swappable Battery, User Replaceable
- LAN/TEL/Modem/Internet Surge Suppression
- Smart RS232 Communication Port
- USB Communication Port (option)
- "UPSMON" UPS Monitoring and Controlling Software



- Real-time Graphic Display by Meter
- Back Up, On-line, Battery and Power Status Display
- Automatic UPS and System Shutdown
- Scheduled UPS and System Shutdown/Reboot
- UPS Notification of Power Events
- History Record of Power Failure Events
- Power Quality Data Log
- Support Windows NT/2000/XP Service and before user log in under Windows 95/98
- Compatible with Windows 95/98/NT/2000/XP, Novell and Linux etc.



**Rear**  
(1000AP, 1200AP and 1500AP)

- 1 Communication Port (KIN-XXXAP Only)
- 2 LAN/Tel/Modem Surge Protection Port
- 3 Main Switch
- 4 Surge Protection Outlet

**Rear**  
(KIN-2200AP)

- 5 Outlets
- 6 AC Input
- 7 Fuse or Circuit Breaker



**UPSMON Plus**

UPS & Power Diagnostic and Management Software

## KING PRO Series Technical Specifications

Model		KIN-1000AP	KIN-1200AP	KIN-1500AP	KIN-2200AP
<b>Power Rating</b>		1kVA	1.2kVA	1.5kVA	2.2kVA
<b>Input</b>	<b>Voltage, phase</b>	220Vac ±25% at line input, single phase			
	<b>Frequency</b>	50Hz ±10% (auto sensing)			
<b>Output</b>	<b>Voltage</b>	Simulated sine wave at 220Vac ±5%			
	<b>Frequency (on battery)</b>	50Hz ±0.1%			
	<b>Voltage regulation (AVR)</b>	220Vac ±10%			
<b>Protection and Filtering</b>	<b>Spike protection</b>	320 Joules, 2 ms			
	<b>Unit input</b>	Fuse or Breaker for overload and short circuit protection			
	<b>EMI/RFI filter</b>	10dB at 0.15MHz, 50dB at 30MHz			
	<b>Overload protection</b>	UPS automatic shutdown if overload exceeds 110% of nominal at 60 seconds and 130% at 3 seconds			
	<b>Short circuit</b>	UPS output cut off immediately or input fuse (or breaker) protection			
	<b>Transfer time</b>	2 milliseconds, including detection time			
	<b>10Base-T cable port</b>	Network (UTP, RJ-45) compatible jacks			
<b>Battery</b>	<b>Type</b>	Hot swappable, sealed maintenance-free lead acid			
	<b>Typical recharge time</b>	4 hours (to 90% of full capacity)			
	<b>Protection</b>	Automatic self-test & discharge protection, replace battery indicator			
	<b>Back up time</b>	15–30 minutes (depending on computer load)			
<b>LEDs Indicators</b>	<b>Status</b>	On-line (green), On-battery (amber), Overload (amber) Buck AVR (amber), Boost AVR (amber) and Replace battery (red)			
<b>Alarm</b>	<b>Battery back up</b>	Slow beeping sound (about 0.47Hz)			
	<b>Battery low</b>	Rapid beeping sound (about 1.824Hz)			
	<b>Overload</b>	Continue beeping sound			
<b>Interface (KIN-XXXAP Only)</b>	<b>RS-232 interface</b>	Bi-directional communication port (included UPSMON software compatible with Windows 95/98/NT/2000/XP, Novell and Linux etc.)			
	<b>USB port</b>	Yes (option)			
<b>Environment</b>	<b>Ambient operation</b>	3,500 meters max. elevation, 0-95% humidity non-condensing, 0-48 °C			
	<b>Audible noise</b>	<40dBA (1 meter from surface)			
<b>Physical</b>	<b>Dimension (WxDxH, mm)</b>	130x382x201			170x448x214
	<b>Weight (kg)</b>	15	15.5	15.8	26.2
<b>Standards and Approvals</b>	<b>Safety</b>	IEEE 587, EN50091			
	<b>EMC - Emission</b>	EN55022 CLASS A			
	<b>- Immunity</b>	EN50082-1 (IEC 801-2, 3, 4, 5-draft)			
	<b>European directive</b>	CE marked compliance LVD/EMC			

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OUTPUT RECEPTACLE OPTION



Complete Power Solution™  
ISO 9001 Certified



Authorized Distributor:

**PowerMatic™**

Power Quality Solution