

# BLACK KNIGHT PRO

Quality Protection for Small Servers, and Workstations & PCs

- Line interactive design
- Boost and buck AVR (Auto voltage regulation)
- Fully digitized microprocessor controlled
- Energy saving function (UPS green mode)
- 50/60Hz frequency auto sensing and selection
- Cold start function (DC power on)
- Lightning and surge protection
- Short circuit and overload protection
- Advanced battery management (ABM technology)
- Smart RS-232 communication port \*
- Tel/Modem internet surge suppression \*
- Automatically charging when UPS off
- History record of power failure events \*
- Back up, on-line, battery status, power status display by software \*
- Schedule shutdown & reboot \*

\*Feature on BNT-xxxxAP models only



Complete Power Solution™

ISO 9001 Certified Company



## SPECIFICATION

MODEL		BNT-1000A	BNT-1000AP	BNT-1200A	BNT-1200AP	BNT-1500A	BNT-1500AP	BNT-2000A	BNT-2000AP	
INPUT	Capacity	1000VA		1200VA		1500VA		2000VA		
	Voltage	100V,110V,115V,120V,220V,230V,240V +/- 25% at line input								
	Frequency	50 or 60 Hz +/- 10% (auto sensing)								
OUTPUT	Voltage (on battery)	Simulated sine wave at 100V,110V,115V,120V,220V,230V,240V +/- 5%								
	Frequency (on battery)	50 or 60 Hz +/-1Hz								
	Voltage Regulation (AVR)	AVR automatically increase output voltage 15% above input voltage if -9% to -25% of nominal. AVR decrease output voltage 13% below input voltage if +9% to +25% of nominal								
	Transfer Time	2 / 4 milliseconds, including detection time								
PROTECTION and FILTERING	Spike Protection	480 Joules, 2ms								
	Unit Input	Fuse or circuit breaker for overload & short circuit protection								
	Overload Protection	UPS automatic power off if overload exceeds 110% of nominal at 60 seconds and 130% at 3 seconds								
	10 Base-T Cable Port	OPTIONAL	YES	OPTIONAL	YES	OPTIONAL	YES	OPTIONAL	YES	
BATTERY	Short Circuit	UPS output cut off immediately or input fuse protection								
	Type	Sealed, maintenance-free lead acid batteries with 3-5 years typical lifetime								
	Typical Recharge Time	6 hours (to 90% of full capacity)								
	Protection	Auto discharge protection								
PHYSICAL	Back-up Time (a PC with 15" monitor)	60 - 70 minutes		65 - 75 minutes		70 - 80 minutes		80 - 90 minutes		
	Net Weight Kg (lbs)	13.4 (28.6)	13.4 (28.6)	13.4 (28.6)	13.4 (28.6)	13.4 (28.6)	13.4 (28.6)	14.5 (31.94)	14.5 (31.94)	
ALARM	Shipping Weight Kg (lbs)	14.8 (32.6)	14.8 (32.6)	14.8 (32.6)	14.8 (32.6)	14.8 (32.6)	14.8 (32.6)	15.9 (35.0)	15.9 (35.0)	
	Dimension	382 x 130 x 192 (15.0" x 5.1" x 7.5")								
	Input Inlet	IEC 320 power inlet								
	Receptacles	NEMA 5-15R(115V) / IEC 320 female appliance coupler (220V)								
	Battery Back-up	Slow beeping sound (about 0.47 Hz)								
INTERFACE	Battery Low	Rapid beeping sound (about 1.824 Hz)								
	Overload	Continuously beeping sound								
	RS-232 Interface	NO	YES	NO	YES	NO	YES	NO	YES	
ENVIRONMENT	Ambient Operation	3,500 meters max. elevation, 0-95% humidity non-condensing, 0-40 deg C								
	Audible Noise	<40dBA (1 meter from surface)								
	Storage Condition	15,000 meter max. elevation								



Available Through:



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