

# BLACK KNIGHT

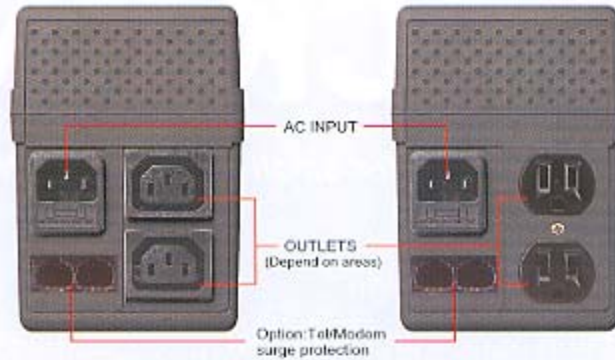
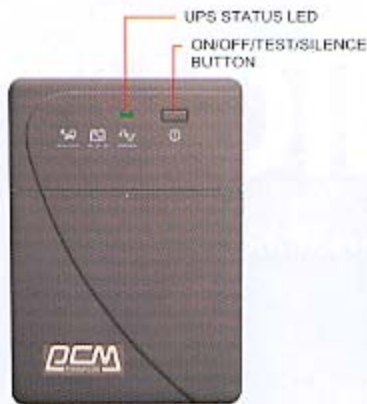
*Quality Protection for Small Servers, and Workstations & PCs*

- 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)



Complete Power Solution™

ISO 9001 Certified Company



## SPECIFICATION

MODEL		BNT-400A	BNT-500A	BNT-600A
INPUT	Capacity	400VA	500VA	600VA
	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 115V / 220V +/- 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	320 Joules, 2ms		
	Unit Input	Fuse for overload & short circuit protection		
	Overload Protection	UPS automatic power off overload exceeds 110% of nominal at 60 seconds and 130% at 3 seconds		
	Short Circuit	UPS output cut off immediately or input fuse protection		
BATTERY	Type	Sealed, maintenance-free lead acid batteries with 3-6 years typical lifetime		
	Typical Recharge Time	6 hours (to 90% of full capacity)		
	Protection	Auto discharge protection		
	Back-up Time (a PC with 15" monitor)	10 - 20 minutes	20 - 30 minutes	25 - 35 minutes
PHYSICAL	Net Weight Kg (lbs)	4.0 (8.8)	5.9 (13.0)	6.1 (13.4)
	Shipping Weight Kg (lbs)	4.5 (9.9)	6.4 (14.1)	6.6 (14.5)
	Dimension (mm) WxDxH	97x260x135 (3.8"x10.2"x5.3")		
	Input Inlet	IEC 320 power inlet		
	Receptacles	NEMA 5-15R(115V) / IEC 320 female appliance coupler (220V)		
ALARM	Battery Back-up	Slow beeping sound (about 0.47 Hz)		
	Battery Low	Rapid beeping sound (about 1.824 Hz)		
	Overload	Continue beeping sound		
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		

OUTPUT RECEPTACLE OPTIONS



Available Through:



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