

BLACK KNIGHT BLACK KNIGHT PRO

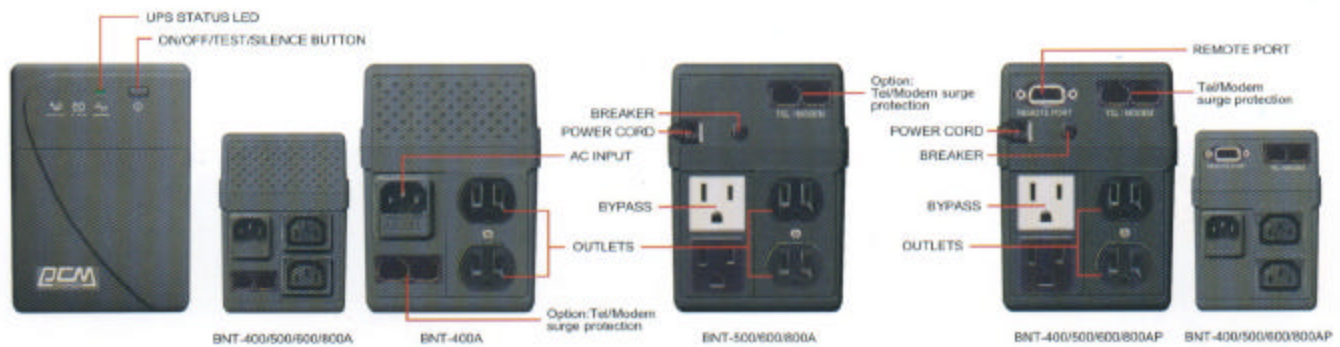
Quality Protection for Small Servers, and Workstations & PCs

- 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-xxxAP models only



Complete Power Solution™

ISO 9001 Certified Company



SPECIFICATION

MODEL		BNT-400A	BNT-400AP	BNT-500A	BNT-500AP	BNT-600A	BNT-600AP	BNT-800A	BNT-800AP
INPUT	Capacity	400VA		500VA		600VA		800VA	
	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
	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		30 - 40 minutes	
PHYSICAL	Net Weight Kg (lbs)	4.2 (9.2)	5.65 (12.43)	5.8 (12.8)	6.44 (14.17)	6.0 (13.2)	6.5 (14.3)	6.45 (14.19)	6.6 (14.52)
	Shipping Weight Kg (lbs)	4.6 (10.1)	5.95 (13.09)	6.3 (13.9)	6.94 (15.27)	6.5 (14.3)	7.0 (15.4)	6.95 (15.29)	7.1 (15.62)
	Dimension	97 x 260 x 135				97 x 320 x 135			
	W x D x H mm	(3.8"x10.2"x5.3")				(3.8" x 12.5" x 5.3")			
	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	Continuously beeping sound							
INTERFACE	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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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	
	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)	60 - 70 minutes		65 - 75 minutes		70 - 80 minutes		80 - 90 minutes		
PHYSICAL	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)	
	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 W x D x H mm	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)								
ALARM	Battery Back-up	Slow beeping sound (about 0.47 Hz)								
	Battery Low	Rapid beeping sound (about 1.824 Hz)								
	Overload	Continuously beeping sound								
INTERFACE	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								

OUTPUT RECEPTACLE OPTION



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Available Through:

Black Knight CS Series

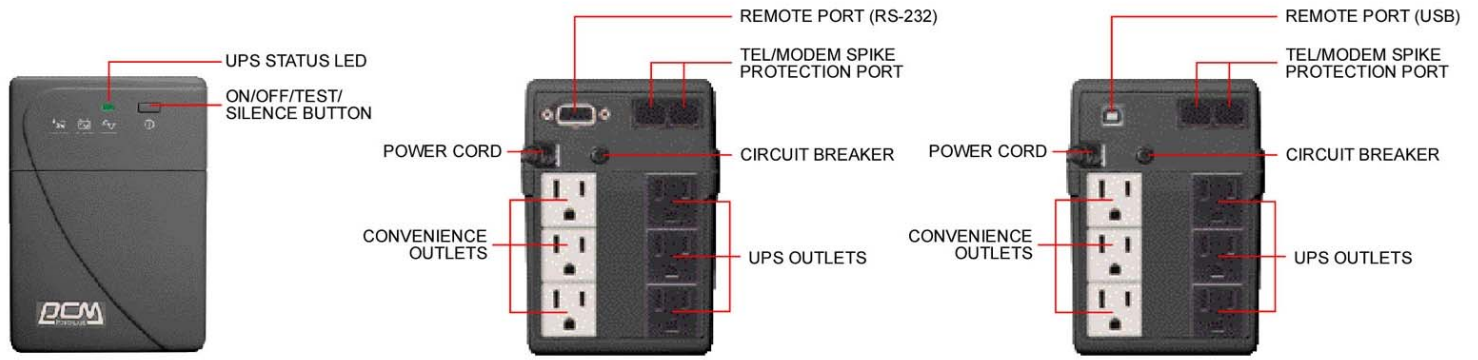
Complete Protection for Internet Computers and Advanced Servers

- Line interactive design
- Boost and buck AVR
- Back up, on-line, battery status LED display
- Fully digitized microprocessor controlled
- Smart RS-232 or USB communication port
- Lightning and surge protection
- Short circuit and overload protection
- 50/60Hz frequency auto sensing
- Tel/modem internet spike protection
- Smart power management with software
- Advanced battery management (ABM)
- Energy saving (UPS sleep mode)
- Cold start (DC power on)



Complete Power Solution™

ISO 9001 Certified Company



SPECIFICATION

MODEL		BNT-400CS	BNT-500CS	BNT-600CS	BNT-800CS
INPUT	Capacity	400VA / 240W	500VA / 300W	600VA / 360W	800VA / 480W
	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 +/-1%			
	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	Typical 2 / 4 milliseconds			
PROTECTION and FILTERING	Spike Protection	480 Joules, 2ms			
	Unit Input	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	Network (UTP, RJ-45) compatible jacks			
	Short Circuit	UPS output cut off immediately or input circuit breaker 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	30 - 40 minutes
PHYSICAL	Net Weight Kg (lbs)	5.65 (12.43)	6.44 (14.17)	6.5 (14.3)	6.6 (14.52)
	Shipping Weight Kg (lbs)	5.95 (13.09)	6.94 (15.27)	7.0 (15.4)	7.1 (15.62)
	Dimension W x D x H mm	97 x 320 x 135 (3.8" x 12.5" x 5.3")			
	Input Inlet	NEMA 5-15P			
	Receptacles	NEMA 5-15R (UPS outlets x 3, Bypass outlets x 3)			
	ALARM	Battery Back-up	Slow beeping sound (about 0.47 Hz)		
Battery Low		Rapid beeping sound (about 1.824 Hz)			
Overload		Continuously beeping sound			
INTERFACE	RS-232 (serial) / USB	Detect battery low, Schedule UPS on/off, AC input/output power status display.			
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			

UPSMON plus Power Management Software



Available Through:

Compatible with:

