

BLACK KNIGHT BLACK KNIGHT PRO

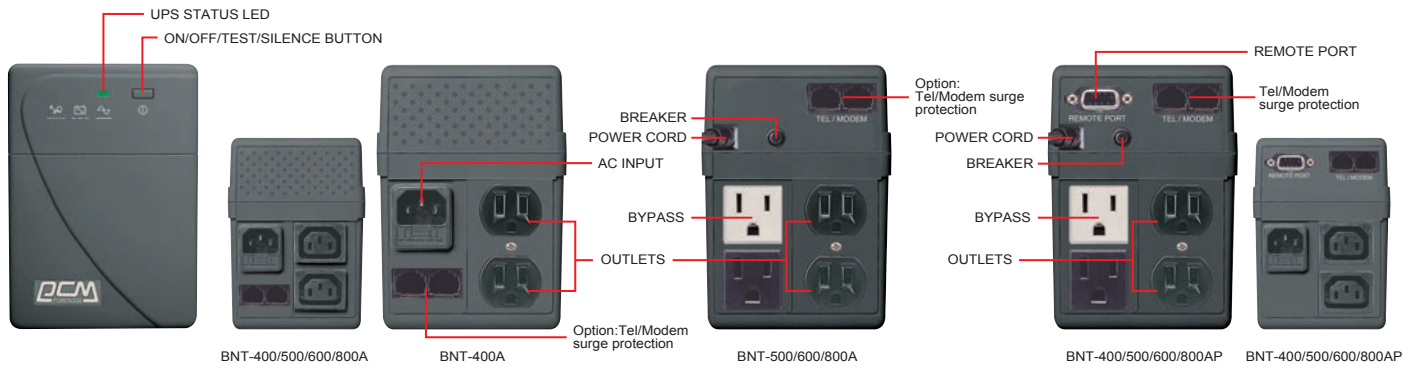
Quality Protection for Small Servers, and Workstations & PCs

- ¥ 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	BNT-1000AN	BNT-1000APN	
CAPACITY	400VA		500VA		600VA		800VA		1000VA		
INPUT	Voltage										
	100V,110V,115V,120V,220V,230V,240V +/- 25% at line input										
OUTPUT	Frequency										
	50 or 60 Hz +/- 10% (auto sensing)										
PROTECTION and FILTERING	Voltage (on battery)										
	Simulated sine wave at 100V,110V,115V,120V,220V,230V,240V +/- 5%										
	Frequency (on battery)										
	50 or 60 Hz +/-1Hz										
BATTERY	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										
	Unit Input										
	Breaker/Fuse or overload & short protection										
BATTERY	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 OPTIONAL YES										
BATTERY	Short Circuit										
	UPS output cut off immediately or input Breaker/Fuse protection										
	Type										
	Sealed, maintenance-free lead acid										
PHYSICAL	Typical Recharge Time										
	6 hours (to 90% of full capacity)										
	Protection										
	Automatic discharge protection										
PHYSICAL	Back-up Time (a PC with 15" monitor)										
	≈15 minutes		≈20 minutes		≈20 minutes		≈22 minutes		≈24 minutes		≈27 minutes
	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) 6.55 (14.42) 6.7 (14.74)										
PHYSICAL	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) 7.05 (15.51) 7.2 (15.84)										
	Dimension W x D x H mm										
	97 x 260 x 135 (3.8"x10.2"x5.3") 97 x 320 x 135 (3.8" x 12.5" x 5.3")										
PHYSICAL	Input Inlet										
	IEC 320 power inlet NEMA 5-15P FOR 1X0V IEC 320 power inlet FOR 2X0V										
PHYSICAL	Receptacles										
	NEMA 5-15R FOR 1X0V (UPSx2 IN BNT-400A, UPSx3 + BYPASSx1 IN BNT-500A-1000AN & BNT-400AP-1000APN) IEC 320 female appliance coupler FOR 2X0V (UPSx2 IN BNT-400A/AP~800A/AP, UPSx3 + BYPASSx1 IN BNT-1000AN/APN)										
ALARM	Battery Back-up										
	Slow beeping sound (about 0.47 Hz)										
	Battery Low										
Rapid beeping sound (about 1.824 Hz)											
ALARM	Overload										
	Continuously beeping sound										
INTERFACE	RS-232 Interface										
NO YES 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)											
ENVIRONMENT	Storage Condition										
	15,000 meter max. elevation										

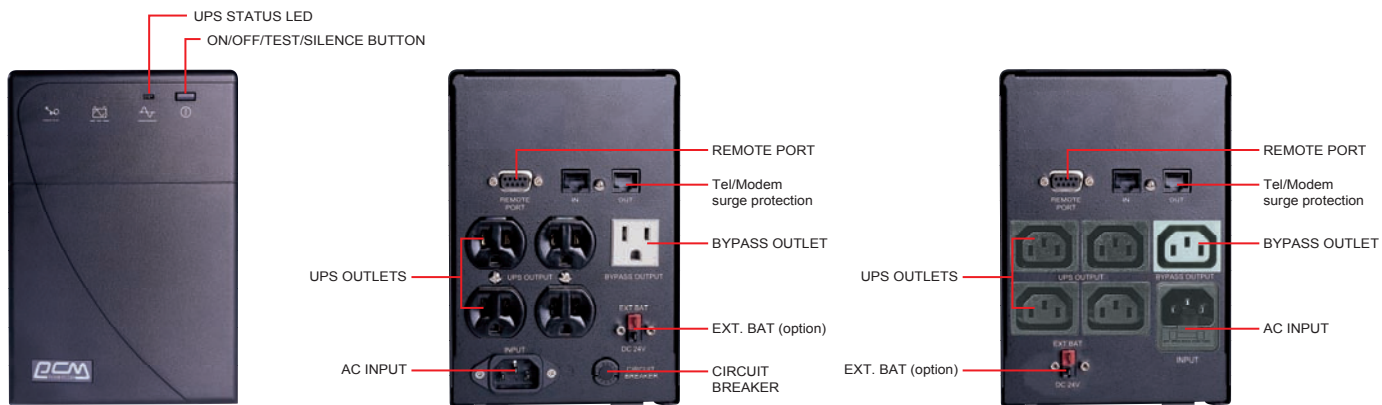
Available Through:

OUTPUT RECEPTACLE OPTION



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DM-BNT400-800-040802



SPECIFICATION

MODEL	BNT-1000AP	BNT-1200AP	BNT-1500AP	BNT-2000AP	
CAPACITY	1000VA	1200VA	1500VA	2000VA	
INPUT	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	1065 Joules, 8/20µs for 100V~120V model, 420 Joules, 8/20µs for 220V~240V model			
	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	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)	≈40 minutes	≈40 minutes	≈40 minutes	≈45 minutes
PHYSICAL	Net Weight Kg (lbs)	13.4 (28.6)	13.4 (28.6)	15.9 (35.0)	15.9 (35.0)
	Shipping Weight Kg (lbs)	14.8 (32.6)	14.8 (32.6)	17.3 (38.0)	17.3 (38.0)
	Dimension W x D x H mm	130 x 382 x 192 (5.1" x 15.0" x 7.5")			
	Input Inlet	IEC 320 power inlet			
	Receptacles	NEMA 5-15R(1X0V) / IEC 320 female appliance coupler (2X0V)			
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	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:

