Black Knight UPS

The Black Knight (BNT) is a line-interactive UPS unit controlled by a microprocessor and has a simulated sine wave output. This unit also features Automatic Voltage Regulation (AVR) with single boost and buck capabilities.

Under normal conditions, the UPS provides surge protection and power to internal batteries, as well as providing overload protection in line and battery modes.

Some key features include:

- Line interactive design lot
- Boost and Buck Auto Voltage Regulation
- Fully digitised and microprocessor controlled
- Saving function (UPS Green mode)
- 50/60Hz – Automatically senses and selects frequency
- Cold start function – DC power on
- Lightning and Surge Protection
- Short circuit and overload protection
- Advanced Battery Management (ABM) technology
- Tel/modem internet surge suppression
- Smart RS-232 Communication Port
- Automatic charging when UPS off
- History record of power failure events
- Schedule shutdown and reboot
- Displays back up, on-line, battery status and power status

Product Specifications

	Model No.	UBNT1K	UBNT1.5K	UBNT2K
	Capacity	1000VA	1500VA	2000VA
Input	Voltage	220V/230V/240V ± 25% at line input		
	Frequency	50/60Hz ± 10% (Auto Sensing)		
Output	Voltage (Batt.)	Simulated sine wave @ 100V/110V/115V/120Vor 220V/230V/240V ±5%		
	Frequency (Batt.)	50Hz OR 60Hz ± 1Hz		
	Waveform	Simulated sinewave		
	Automatic Voltage Regulation	Increases output 15% above input if -9% to -25% of nominal Decreases output 13% below input if +9% to +25% of nominal		
	Transfer Time	2/4ms (including detection time)		
Protection	Surge Protection	220V/230V/240V with 280 Joules, 8/20µs		
	Overload Protection	Auto power off when overload > 110% for 60s & > 130% for 3s		
	Unit Input	Fuse or circuit breaker for overload & short circuit protection		
	10Base-T Cable Port	YES		
	Short Circuit	Output off immediately OR input fuse/circuit breaker protection		
Battery	Battery Type	Sealed, maintenance-free lead acid batteries. 3-6 years typical lifetime		
	Recharge Time	6 Hours (to 90% of full capacity)		
	Back-up Time – PC with 15" monitor	60 – 70 Minutes	70 – 80 Minutes	80 – 90 Minutes
	Protection	Auto discharge protection		
Physical	Net Weight Kg (lb.)	13.4 (28.6)	15.9 (35.0)	15.9 (35.0)
	Shipping Weight Kg (lb.)	14.8 (32.6)	17.3 (38.0)	17.3 (38.0)
	Dimensions W x D x H	130 x 382 x 192 mm 15.0" x 5.1" x 7.5"		
	Input Inlet	Australian 3 pin plug		
	Receptacles	3 x Standard Australian Outlets		
	RS232 Interface	YES		
Alarm & Environment	Battery Back-up	Slow beeping (approx. 0.47Hz)		
	Battery Low	Rapid beeping (approx. 1.824Hz)		
	Overload	Continuous beeping		
	Ambient Operation	0 – 40^{0}C (32 – 104^{0}F) 0 – 95% humidity - non-condensing 3,500 metres max. elevation		
	Audible Noise	< 40dBA (1metre from surface)		

Alpha
Power Systems