

# ***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		UBNT6
Capacity		600VA
Input	Voltage	220V/230V/240V ± 25% at line input
	Frequency	50/60Hz ± 10% (Auto Sensing)
Output	Voltage (Battery)	Simulated Sine wave @ 100V/110V/115V/120V OR 220V/230V/240V ±5%
	Frequency (Battery)	50Hz OR 60Hz ± 1Hz
	Automatic Voltage Regulation	Increases output 15% above input voltage if -9% - -25% of nominal Decreases output 13% below input voltage if 9% - 25% of nominal
	Transfer Time	2/4ms (including detection time)
Protection & Filtering	Spike Protection	480 Joules, 2ms
	Overload Protection	UPS auto power off if overload > 110% for 60sec OR > 130% for 3sec
	Unit Input	Fuse for overload & Short circuit protection
	10Base-T Cable Port	OPTIONAL
Battery	Short Circuit	UPS output cut off immediately OR input fuse protection
	Type	Sealed, maintenance-free lead acid batteries with 3-6 years typical lifetime
	Recharge Time	6 Hours (to 90% of full capacity)
	PC Back-up Time	25 – 35 Minutes
Physical	Protection	Auto discharge protection
	Weight Kg (lb.)	6.5 (14.3)
	Shipping Weight Kg (lb.)	7.0 (15.4)
	Dimensions / W x D x H	97 x 320 x 135 mm / 3.8" x 12.5" x 5.3"
	Input Inlet	Australian 3 pin plug
	Receptacles	Standard Australian Outlet
Alarm & Environment	RS232 Interface	Optional
	Battery Back-up	Slow beeping (approx. 0.47Hz)
	Battery Low	Rapid beeping (approx. 1.824Hz)
	Overload	Continuous beeping
	Ambient Temperature	0 – 40°C (32 – 104°F)
	Max. Altitude	3500m
	Relative Humidity	0 – 95% non-condensing
Audible Noise	< 40dBA (1metre from surface)	