

# BNT-500AP



## GENERAL INFORMATION

Model Type	BLACK KNIGHT PRO
Model Name	BNT-500AP

## AC INPUT

AC Input Capacity on Battery	500VA
AC Input Voltage	100V or 110V/115V/120V or 220V/230V/240V +/- 25% at line input
AC Input Frequency	50 or 60 Hz +/- 5% (auto sensing)
AC Input Transfer	N/A

## AC OUTPUT

AC Output Voltage	Simulated sine wave at 100V or 110V/115V/120V +/- 5% for 120V model or 220V/230V/240V +/- 5% for 230V model
AC Output Frequency	50 or 60 Hz +/- 1 Hz
AC Output Voltage Regulation	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.
AC Output Transfer	2/4 milliseconds, including detection time.

## PROTECTION

Protection Spike	480 Joules / 2ms
Protection Overload	UPS automatic power off if overload exceeds 110% of nominal at 60 seconds and 130% at 3 seconds
Protection Unit	Fuse for overload & short circuit protection
Protection Inside Protection	UPS output cut off immediately or input fuse protection

## BATTERY

Battery Type	Sealed, Maintenance-free lead acid batteries with 3-6 years typical lifetime
Battery Typical	6 hours (to 90% of full capacity)
Battery Protection	Auto discharge protection

## BACKUP TIME

Battery Backup Time Full Load	8 minutes
Battery Backup Time Half Load	17 minutes

## PHYSICAL

Physical Weight kgs	6.1
Physical Weight lbs	13.4
Physical Shipping Weight kgs	6.6
Physical Shipping Weight lbs	14.5
Physical Dimension mm	97x320x135
Physical Dimension inch	3.8x12.8x5.3

## INDICATOR

LED	LED
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## ALARM

Alarm Battery Backup	Slow beeping sound (about 0.47 Hz)
Alarm Battery Low	Rapid beeping sound (about 1.82 Hz)
Alarm Overload	Continue beeping sound

## INTERFACE

Interface RS-232	YES
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## ENVIRONMENT

Environment Ambient	3,500 meters max. elevation, 0-95% humidity non-condensing, 0-40 deg C
Environment Audible	<40dBA (1 meter from surface)
Environment Storage Condition	15,000 meters max. elevation