

# Power

## Pinnacle Plus Series

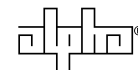
Online Double Conversion UPS  
Tower Version: 8000 and 10000VA



- True online technology provides total power protection
- Pure sine wave output with less than 3% THD
- Advanced Battery Management (ABM)
- Automatic System Diagnostics
- Emergency Power Off function (EPO)
- Extended Backup Times up to 8 hours at full load

The Alpha Pinnacle Plus Series provides safe, clean and reliable power protection for computer, telecom and other mission critical equipment. The state of the art DSP (Digital Signal Processing) technology of the Pinnacle Plus Series provides pure sine wave and zero transfer time back-up power. Both RS-232 and USB ports are available to provide two-way communication to local workstations, servers and with the optional network SNMP interface card full network communications are available.

Additional features include: Programmable Load Segmentation making it possible to save battery power for the most critical equipment, fax and modem surge protection, high efficiency mode, multiple language LCD display and (DC Power on) cold start. Advanced battery management, system diagnostics and user "hot swap" battery replacement capability ensures continuous power availability.



## Pinnacle Plus Series

### Technical Specifications

Model:	PIN+ 8000	PIN+10000
<b>Input</b>		
Capacity (VA):	8000	10000
Capacity (W):	5600	7000
Voltage (V):	208/220/230/240	208/220/230/240
Voltage Range (V):	160 to 276	160 to 276
Frequency (Hz):	50/60Hz	50/60Hz
	Auto Sensing	Auto Sensing
<b>Battery</b>		
DC Voltage:	240V	240V
Internal Batteries (12V):	20 x 7Ah	40 x 9Ah
Typical Recharge Time (90%):	4hrs	4hrs
Cold Start (DC Start):	Yes	Yes
Runtime at 100% load	6min	14min
<b>Physical</b>		
Input Inlet:	Hardwire	Hardwire
Receptacles:	Hardwire	Hardwire
Total Receptacles:	Hardwire	Hardwire
Tower Dimensions		
W x D x H (mm):	342W x 690D x 710H	342W x 740D x 878H
Weight (kg):	178	243
<b>Environment</b>		
Operating Temperature:	0 to 40°C	0 to 40°C
Storage Temperature:	-20 to 50°C	-20 to 50°C
Altitude:	3500m max.	3500m max.
Audible noise (1m):	<40dBA	<40dBA
Relative Humidity:	0 to 95 %, non-condensing	0 to 95 %, non-condensing
<b>Display</b>		
LCD:	Input/Output Voltage, I/O Frequency, Online Mode, Backup Mode, Battery Capacity, Output Load Level, Alarm Status	

### General Specifications

#### Output

Voltage (V):	208/220/230/240 adjustable
Frequency (Hz):	50/60Hz ±0.5
Transfer Time (ms):	0
High Efficiency Mode:	>95%
UPS Technology:	Online (IEC 62040-3: VFI-SS-111)/Microprocessor controlled
Overload Recovery:	Auto Transfer to UPS
Wave Form:	Sine wave
Harmonic Distortion:	<3% of T.H.D with linear load
Crest Factor:	3:1

#### Battery

Type:	Sealed, maintenance free lead acid batteries
Management:	Self-test, adjustable battery transfer points and alarm settings
Battery Protection:	Deep discharge protection

#### Interface

RS-232 Serial Port and USB (optional SNMP network adaptor card)

#### Protection

Surge:	Meets EN 61000-4-5 level 3
Overload:	Auto shut down if overload exceeds 125% for 1min and 150% for 10sec
Short Circuit:	UPS output cut off immediately or input fuse/circuit breaker protection

#### System

Audible Alarm	
Battery Backup:	Beep every 5sec
Battery Low:	Two beeps every 5sec
UPS Fault:	Continuous beeping sound and LCD display

#### Certification

Safety:	EN 50091-1, EN 60950
EMC:	EN 50091-2, EN 55022/B, CISPR 22

#### Warranty

24 months

For contact information visit [www.alpha.com](http://www.alpha.com)

The Alpha Group >	Europe, Middle East & Africa	Asia Pacific	North America	Latin & South America
	Cyprus Tel: +357 25 375 675 Fax: +357 25 359 595  Russia Tel: +7 495 916 1854 Fax: +7 495 916 1349	Germany Tel: +49 9122 79889 0 Fax: +49 9122 79889 21  United Kingdom Tel: +44 1279 501110 Fax: +44 1279 659870	Lithuania Tel: +350 5 210 5291 Fax: +350 5 210 5292  P.R. China Tel: +852 2736 8663 Fax: +852 2199 7988	Canada Tel: +1 604 430 1476 Fax: +1 604 430 8908  USA Tel: +1 360 647 2360 Fax: +1 360 671 4936
	Contact USA office			