Power

PDS Design Solutions Ltd

Pinnacle Plus Series

Online double conversion UPS
Tower/19" Rackmount Version: 700 to 6000VA

> True online technology provides total power protection

> Pure sine wave output with less than 3% THD

> Advanced Battery Management (ABM)

> Automatic System Diagnostics

> Programmable Load Segmentation (PLS)

> 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 backup 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 continous power availability.

sales@whatpowersupply.com, tel: 01279 219175

Pinnacle Plus Series

Technical Specifications

Tower 19" Rack Mount	PIN+700 PIN+700RM	PIN+1000 PIN+1000RM	PIN+1500 PIN+1500RM	PIN+2000 PIN+2000RM	PIN+3000 PIN+3000RM	PIN+6000 PIN+6000RM
Input						
Capacity (VA):	700	1000	1500	2000	3000	6000
Capacity (W):	490	700	1050	1400	2100	4200
Voltage (V):	208/220/230/240	208/220/230/240	208/220/230/240	208/220/230/240	208/220/230/240	208/220/230/240
Voltage Range (V):	160 to 276	160 to 276	160 to 276	160 to 276	160 to 276	160 to 276
Frequency (Hz):	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Auto Sensing	Auto Sensing	Auto Sensing	Auto Sensing	Auto Sensing	Auto Sensing
Battery						
DC Voltage:	24V	36V	36V	72V	72V	240V
Internal Batteries (12V):	2 x 7Ah	3 x 7Ah	3 x 9Ah	6 x 7Ah	6 x 9Ah	20 x 7Ah
Typical Recharge Time (90%):	4hrs	4hrs	4hrs	4hrs	4hrs	4hrs
Cold Start (DC Start):	Yes	Yes	Yes	Yes	Yes	Yes
Runtime at 100% Load:	7min	7min	6min	7min	6min	7min
Physical						
Input Inlet:	IEC 320	IEC 320	IEC 320	IEC 320	IEC 320	Hardwire
Receptacles:	IEC 320	IEC 320	IEC 320	IEC 320	IEC 320	Hardwire
Total Receptacles:	4	4	4	8/5	8/5	Hardwire
Tower						
Dimensions (mm):	152W x 420D x 240H	152W x 420D x 240H	152W x 420D x 240H	225W x 425D x 360H	225W x 425D x 360H	257W x 590D x 570H
Weight (kg):	13.5	16.2	17.0	31.1	33.0	86
Rack Mount						
Dimensions (mm):	428W x 425D x 84H	428W x 425D x 84H	428W x 425D x 84H	428W x 635D x 84H	428W x 635D x 84H	428W x 597D x 260H
Weight (kg):	15.5	17.1	18.1	31.6	32.5	86
Environment						
Operating Temperature:	0 to 40°C	0 to 40°C	0 to 40°C	0 to 40°C	0 to 40°C	0 to 40°C
Storage Temperature:	-20 to 50°C	-20 to 50°C	-20 to 50°C	-20 to 50°C	-20 to 50°C	-20 to 50°C
Altitude:	3500m max.	3500m max.	3500m max.	3500m max.	3500m max.	3500m max.
Audible noise (1m):	<40dBA	<40dBA	<40dBA	<40dBA	<40dBA	<40dBA
Relative Humidity:	0 to 95%,	0 to 95%,	0 to 95%,	0 to 95%,	0 to 95%,	0 to 95%,
	non-condensing	non-condensing	non-condensing	non-condensing	non-condensing	non-condensing
Display						
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 overlaod 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

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Pinnacle Plus Rackmount