

Power

Pinnacle Plus Series

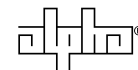
Online double conversion UPS
Tower/19" Rackmount Version: 700 to 6000VA



- 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 continuous power availability.



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 Auto Sensing | 50/60Hz Auto Sensing | 50/60Hz Auto Sensing | 50/60Hz Auto Sensing | 50/60Hz Auto Sensing | 50/60Hz 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%, non-condensing | 0 to 95%, non-condensing | 0 to 95%, non-condensing | 0 to 95%, non-condensing | 0 to 95%, non-condensing | 0 to 95%, 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 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



Pinnacle Plus Rackmount

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