

# Power

## Alpha Continuity Plus 1500

Double Conversion UPS with PF 1.0

**Rack/Tower Design**  
Enables integration into a wide variety of environments.  
Optional rack-mount rail available.

**Advanced Digital Control Technology**  
Achieves higher reliability and greater immunity from Utility power problems to the connected load.

**Wide Input Frequency and Voltage Windows**  
A wide input frequency window from 45Hz to 65Hz and a voltage input window of 160~280Vac.

**Unity Input Power Factor**  
Meets today's industry standard for energy saving and low current harmonic pollution to the Utility.

**Double Conversion On-line Technology**  
Completely re-generates the Utility Power to correct power disturbances in the Mains. The unit provides clean AC power with VFI (Voltage and Frequency Independent) from the Utility.

**User Friendly Display**  
An easy-to-read LCD/LED display provides real-time indication of all major system parameters and system status including load level, battery level, bad battery, site wiring fault, overload and programmable outlet for easy service.

**Emergency Shutdown Control Through EPO**  
Allows users to shut down the UPS completely in an emergency to ensure a safe operating environment.

**Programmable Receptacles**  
Remote Reboot and Load Shedding via software reserving back-up power for critical loads.

**Hot Swappable Battery**  
Allows battery replacement without UPS or critical load interruption.

**The Communication Software**  
The bundled communication software allows the control of the UPS and graceful shutdown when Utility fails.

- Users Can:
- Remotely test the major operating functions of the UPS,
  - Communicate via SNMP/Web/Network adapter,
  - Access UPS functions via the Web,
  - Alert users via SMS messages against specific events.

**Customer Options Slot**  
The Options Slot allows further flexibility in Network configuration. An internal 2nd RS232 card, 2nd USB card, SNMP card or Dry Contact card provide isolated contacts for industrial and remote alarm panel application.

**Downloadable Setting Tool**  
Voltage Configuration, UPS Mode Selection, Output Voltage Fine Tuning, Bypass Voltage Window, Frequency Synchronized Window and Programmable Outlet Setting can be re-configured by the setting tool.

**Extended Runtime Capability**  
Enables users to connect additional battery banks by simply plugging in the battery connectors between the UPS and battery banks without requiring additional chargers.

**Optional External Bypass Switch**  
Ensures continuous supply of power to the critical load in the event of electronic failure, overload, over-temperature, or scheduled maintenance.

**RS232 and USB Communication Interfaces**  
The advanced technology allows the RS232, USB and SNMP slot to be activated simultaneously.

**Super Compact Convertible Design**  
With a most compact 2U design, the UPS occupies less space in a 19" rack cabinet. The convertible design enables integration into a wide variety of environments.

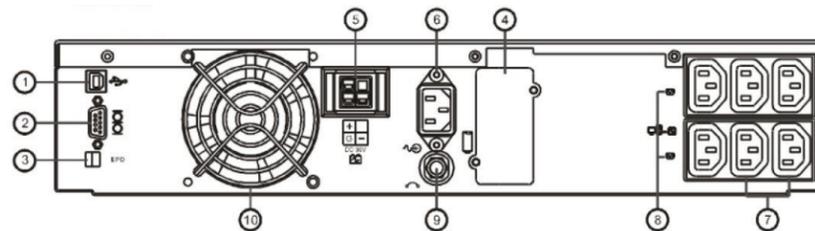


Alpha Continuity Plus 1500 Rack Configuration



Alpha Continuity Plus 1500 Tower Configuration

Alpha Continuity Plus 1500	
1	USB - Port
2	RS232 - Port
3	Remote Emergency Power Off (REPO)
4	Communication Card Options Slot
5	External Battery Connector
6	AC power connection socket
7	AC outlets
8	Two programmable outlets
9	Utility input circuit breaker
10	Cooling fan



- > Output Powerfactor 1.0
- > Feature rich On-line UPS Series with rack / tower convertible design with rotating LCD panel enabling easy integration into a wide variety of applications and locations
- > Wide input power frequency and voltage window accommodates broad operating range for different working requirements
- > Advanced digital control technology achieves higher reliability and greater immunity from utility power problems
- > Emergency shutdown control through EPO complies with national safety regulations and local code
- > Programmable receptacles enable flexible power backup
- > Hot swappable battery allows replacement without interruption to critical loads

The Alpha Continuity Plus 1500 UPS-System, equipped with field-proven Digital Signal Processor, is the ideal UPS system for Servers, Networks, Storage, Telecommunications and Industrial Equipment.

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# Alpha Continuity Plus 1500

Specifications	
Model	Continuity Plus 1500
<b>Input</b>	
Voltage Window	160 - 280Vac
Frequency	50/60+/-5% (Auto Sensing)
Phase/Wire	Single, Line + Neutral + Ground
Power Factor	>0.99 (Full Load)
<b>Output</b>	
Voltage	200/208/220/240Vac
Voltage Regulation	<±0.1% until low battery warning
Capacity	1500VA/1500W
Power Factor	1.0
Wave Form	Sine Wave, THD<3% (no load to full load)
Frequency Stability	±0.1% unless synchronized to line
Frequency Regulation	3Hz or 1Hz (Setting by software)
Transfer Time	0 m sec
Crest Factor	3:1
Efficiency	up to 92%
Autonomy (Built-in Battery)	3min at 100% (1500W) load / 4min at 80% (1200W) load
DC Start	Yes
<b>Battery</b>	
Type	Sealed Lead Acid Maintenance Free
Capacity	7Ah
Quantity	4
Voltage	48Vdc
Recharge Time	4 hours to 90%
Built-in Charger (max. Charging Current)	1,5A
<b>Display</b>	
LED	Normal, Battery, Bypass, Programmable Outlet 1, Programmable Outlet 2, Self-Test, Battery Weak & Bad, Site Wiring Fault, Fault, Overload, and Load/Battery Level conditions.
Key	On button / Off button (Test / Alarm silence button)
Self-Diagnostics	Upon Power On and Software Control
<b>Protection</b>	
Overload AC Mode & Backup Mode (delay before switching to bypass)	<105% continuously. >106%~120% for 30 seconds transfer to bypass >121%~150% for 10 seconds transfer to bypass >150% immediately transfer to bypass Buzzer continuously alarms
Bypass Mode	<105% continuously. >106%~120% for 250 seconds shut down >121%~130% for 125 seconds shut down >131%~135% for 50 seconds shut down >136%~145% for 20 seconds shut down >146%~148% for 5 seconds shut down  >149%~157% for 2 seconds shut down >158%~176% for 1 seconds shut down >177%~187% for 0.32 seconds shut down >188% for 0.16 seconds shut down Buzzer continuously alarms
Short Circuit	Hold Whole System
Overheat	AC Mode: Switch to Bypass; Backup Mode: UPS shuts down immediately
Battery Low	Alarm and Switch Off
EPO	UPS shuts down immediately
Battery	Advanced Battery Discharge Management (ABDM)
Noise Suppression	300 Joules

Model	Continuity Plus 1500	
<b>Alarms</b>		
Audible and Visual	Line Failure, Battery Low, Overload, System Fault Conditions	
<b>Mechanical</b>		
Dimensions	mm	440W x 88H x 440D
Outlets 230Vac	6 x IEC320-C13	
Net Weight	17kg	
<b>Environment</b>		
Operating Temperature	0-40°C	
Altitude	0~2000m up to 40°C, 3000m up to 35°C	
Humidity	90% RH Maximum, Non-Condensing	
Noise	<50dB (at 1 meter)	
<b>Computer Interface</b>		
Interface Type	Standard RS232 and USB Interfaces	
Communication Slots	Relay contact board or SNMP card	
<b>Agency Compliance</b>		
Quality Assurance	ISO9001 Certified Company	
Safety Standard	EN62040-3 complied	
Performance	EN62040-3 complied	
EMC Standard	EN62040-2, EN61000-3-2, EN61000-3-3, FCC Class A	
Marks	CE, FCC	

Battery Pack	
Model	BP Continuity Plus 1500
Battery Type	9Ah
Maximum Quantity	8 (2 strings)
Output Voltage	48Vdc
Weight With Batteries	31kg
Dimensions	mm 440W x 88H x 430D
Battery Charger	External Charger 200W / 3A (optional)

(Specifications are subject to change without prior notice)