Alpha Continuity Plus 1000-3000

Convertible Indoor On-line UPS Series

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.

Powerful Built-in Charger
Provides approximately 0.3C charging ability to re-charge internal battery to 90% in 3 hours.

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 Rack Configuration

Alpha Continuity Tower Configuration

> 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

> Powerful built-in charger shortens battery charging time and extends runtime

> Hot swappable battery allows replacement without interruption to critical loads

The Alpha Continuity Plus 1000-3000 Series, equipped with field-proven Digital Signal Processor, is the ideal UPS system for Servers, Networks, Storage, Telecommunications and Industrial Equipment.

Albat ®
energy systems

Specifications

Models	Continuity Plus 1000	Continuity Plus 2000	Continuity Plus 3000
Input			
Voltage Window	160~280VAC @ full load		
Frequency	50/60+/-5% (Auto Sensing)		
Phase/Wire	Single, Line + Neutral + Ground		
Power Factor	>0.99 (Full Load)		
Output			
Voltage	200/208/220/240VAC		
Voltage Regulation	<±0.1% until low battery warning		
Capacity	1000VA/900W	2000VA/1800W	3000/2700W
Power Factor	0.9		
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 (AC to AC)	>85%		>88%
Autonomy (Built-in Battery)	>5 min		>5min
DC Start	Yes		
Battery			
Type	Sealed Lead Acid Maintenance Free		
Capacity	7Ah		9Ah
Quantity	3	6	
Voltage	36Vdc	72Vdc	
Recharge Time	3 hours to 90%		
Built-in Charger (max. Charging Current)	2,1A	1,5A	1,5A
Display			
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		
Protection			
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		

Models	Continuity Plus 1000	Continuity Plus 2000	Continuity Plus 3000
Alarms			
Audible and Visual	Line Failure, Battery Low, Overload, System Fault Conditions		
Mechanical			
Dimensions mm	440W x 88H x 405D	440W x 88H x 600D	
Outlets 230Vac	3 x IEC 10A	6 x IEC 10A	6 x IEC 10A + 1 x IEC16A
Net Weight kg	12	22	25
Environment			
Operating Temperature	0-40°C (32-104°F)		
Altitude	0~2000m/6600ft up to 40°C (104°F), 3000m/9900ft up to 35°C (95°F)		
Humidity	90% RH Maximum, Non-Condensing		
Noise	<50dB (at 1 meter/3.3ft)		
Computer Interface			
Interface Type	Standard RS232 and USB Interfaces		
Communication Slots	Relay contact board or SNMP card		
Agency Compliance			
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, UL, cUL, FCC		

Battery Pack

Model	BP Continuity Plus 1000	BP Continuity Plus 2000	BP Continuity Plus 3000
Battery Type	7Ah	9Ah	
Maximum Quantity	12pcs		
Output Voltage	36Vdc	72Vdc	
Weight With Batteries	21 - 44kg	45,5kg	
Dimensions	167H x 440W x 420D	88H x 440W x 581D	

(Specifications are subject to change without prior notice)