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Continuity 1000-3000

Convertible Indoor On-line UPS Series



- Feature rich on-line UPS series with rack/tower convertible design and 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 Continuity 1000-3000 Series, equipped with field-proven Digital Signal Processor, is the ideal UPS system for Servers, Networks, Storage, Telecommunications and Industrial Equipment.

Continuity 1000-3000 Convertible Indoor On-line UPS Series

| Nominal Specifications | | | | | |
|---|--------------|--|--|---|--|
| Model | | Continuity 1000 | | Continuity 2000 | Continuity 3000 |
| 120Vac P/Ns*: | | 0170009 | | 0170010 | 0170011 |
| Input | | | | | |
| Voltage Window: | | 60~144Vac for 120V system | | 60~144Vac for 120V system | 60~144Vac for 120V system |
| Frequency: | | 50/60 ±5% (Auto Sensing) | | 50/60 ±5% (Auto Sensing) | 50/60 ±5% (Auto Sensing) |
| Phase/Wire: | | Single, Line + Neutral + Ground | | Single, Line + Neutral + Ground | Single, Line + Neutral + Ground |
| Power Factor : | | >0.99 (Full Load) | | >0.99 (Full Load) | >0.99 (Full Load) |
| Output | | | | | |
| Voltage: | | 100/110/115/120/127Vac | | 100/110/115/120/127Vac | 100/110/115/120/127Vac |
| Voltage Regulation: | | <±1% until low battery warning | | <±1% until low battery warning | <±1% until low battery warning |
| Capacity: | | 1000VA/800W | | 2000VA/1600W | 3000/2400W |
| Wave Form: | | Sine Wave, THD<3% (no load to full load) | | Sine Wave, THD<3% (no load to full load) | Sine Wave, THD<3% (no load to full load) |
| Frequency Stability: | | ±0.1% unless synchronized to line | | ±0.1% unless synchronized to line | ±0.1% unless synchronized to line |
| Frequency Regulation: | | 3Hz or 1Hz (Setting by software) | | 3Hz or 1Hz (Setting by software) | 3Hz or 1Hz (Setting by software) |
| Transfer Time: | | 0 m sec | | 0 m sec | 0 m sec |
| Crest Factor: | | 3:1 | | 3:1 | 3:1 |
| Efficiency (AC to AC): | | >85% | | >85% | >88% |
| Autonomy (80% load): | | 7.9 mins | | 7.9 mins | 6.5 mins |
| DC Start: | | Yes | | Yes | Yes |
| Battery | | | | | |
| Type: | | Sealed Lead Acid Maintenance Free | | Sealed Lead Acid Maintenance Free | Sealed Lead Acid Maintenance Free |
| Capacity: | | 7Ah | | 7Ah | 9Ah |
| Quantity: | | 3 | | 6 | 6 |
| Voltage: | | 36Vdc | | 72Vdc | 72Vdc |
| Recharge Time: | | 4 hours to 90% | | 4 hours to 90% | 4 hours to 90% |
| Built-in Charger: (max. charging current) | | 1.8A | | 2.1A | 2.7A |
| 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% Buzzer continuously alarms • AC mode: immediately transfer to bypass • Backup mode: immediately shutdown | |
| 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 | |
| Overheat: | | AC Mode: Switch to Bypass; Backup Mode: UPS shuts down immediately | | | |
| Battery Low: | | Alarm and Switch Off | | Alarm and Switch Off | Alarm and Switch Off |
| EPO: | | UPS shuts down immediately | | UPS shuts down immediately | UPS shuts down immediately |
| Battery: | | Advanced Battery Discharge Management (ABDM) | | | |
| Noise Suppression: | 115V System: | 400 Joules | | 400 Joules | 400 Joules |
| *Consult your Alpha representative for 230Vac P/Ns | | | | | |

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Continuity 1000-3000 Convertible Indoor On-line UPS Series

| Model | | Continuity 1000 | Continuity 2000 | Continuity 3000 |
|------------------------|---------|---|--------------------------------|--------------------------------|
| Display | | | | |
| LCD: | | 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 | | |
| Communication Slots: | | Relay contact board or SNMP card | | |
| Alarms | | | | |
| Audible & Visual: | | Line Failure, Battery Low, Overload, System Fault Conditions | | |
| Mechanical | | | | |
| Dimensions: | mm: | 440W x 88H x 405D | 440W x 88H x 650D | 440W x 88H x 650D |
| | inches: | 17.3W x 3.5H x 16D | 17.3W x 3.5H x 25.6D | 17.3W x 3.5H x 25.6D |
| Input Connector: | | 5’ Line cord with 5-15P | 5’ Line cord with 5-20P | 5’ Line cord with L5-30P |
| Outlets 120Vac: | | 6 x NEMA 5-15R | 2x5-15R + 2 x 5-20R | 4x5-15R + 1xL5-30R |
| Net Weight: | | 15.1kg (33.3lbs) | 27.9kg (61.5lbs) | 29.7kg (65.4lbs) |
| Environment | | | | |
| Operating Temperature: | | 0-40°C (32-104°F) | 0-40°C (32-104°F) | 0-40°C (32-104°F) |
| Altitude: | | 0~1000m/3300ft | | |
| Humidity: | | 90% RH Maximum, Non-Condensing | 90% RH Maximum, Non-Condensing | 90% RH Maximum, Non-Condensing |
| Noise: | | <50dB (at 1m/3.3ft) | <50dB (at 1m/3.3ft) | <50dB (at 1m/3.3ft) |
| BTU/hr: | | 124 | 247 | 371 |
| Computer Interface | | | | |
| Interface Type: | | Standard RS232 and USB | Standard RS232 and USB | Standard RS232 and USB |
| Communication Slot: | | Dry Contact Card or SNMP card | Dry Contact Card or SNMP card | Dry Contact Card or SNMP card |
| Agency Compliance | | | | |
| Quality: | | ISO 9001 certified manufacturing | | |
| Standard: | | UL 1778 and CSA C22.2 107.3 | | |
| EMC: | | EMC: FCC Class A | | |
| Marks: | | UL, cUL | | |
| Battery Pack | | | | |
| Model | | BP Continuity 1000 | BP Continuity 2000 | BP Continuity 3000 |
| P/N: | | 0320004-001 | 0320005-001 | 0320006-001 |
| Battery Type: | | 7Ah | 7Ah | 9Ah |
| Output Voltage: | | 36Vdc | 72Vdc | 72Vdc |
| Battery Quantity: | | 12pcs | 12pcs | 12pcs |
| Unit Weight: | | 38kg (83.8lbs) | 38kg (83.8lbs) | 44.6kg (83.8lbs) |
| Dimensions: | mm: | 88H x 440W x 650D | 88H x 440W x 650D | 88H x 440W x 650D |
| | inches: | 3.5H x 17.3W x 25.6D | 3.5H x 17.3W x 25.6D | 3.5H x 17.3W x 25.6D |

Continuity 1000-3000 Convertible Indoor On-line UPS Series

| | |
|--|---|
| Rack/Tower Design: | <ul style="list-style-type: none"> 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 60~144VAC for 120Vac system. |
| 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: | <ul style="list-style-type: none"> 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: | <ul style="list-style-type: none"> 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 Tower Configuration



Alpha Continuity Rack Configuration



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