

Continuity Plus 1500

Convertible Indoor On-line UPS



- High Output Powerfactor 1.0
- On-line UPS with rack / tower convertible design with rotating LCD / LED panel enabling easy integration
- Wide input power frequency and voltage window
- Advanced digital control technology achieves higher reliability and greater immunity from utility power problems
- Emergency shutdown control through EPO
- Programmable receptacles
- Hot swappable battery allows replacement without interruption

The Continuity Plus 1500 UPS-System provided with field-proven Digital Signal Processor (DSP) is the ideal UPS system for servers, networks, storage, telecommunications and industrial equipment.

Continuity Plus 1500 Series

Technical Data

| | | |
|---|---|--|
| Model | Continuity Plus 1500 | |
| Input | | |
| Voltage Window | 160 – 280 VAC at full load | |
| Frequency | 50 / 60 Hz with +/- 5 % (auto sensing) | |
| Phase / Wire | Single, Line + Neutral + Ground | |
| Power factor | > 0.99 (full load) | |
| Current THD (100% linear load) | < 7 % | |
| Output | | |
| Voltage | 200 / 208 / 220 / 240 VAC | |
| Voltage regulation | < ± 0,1% | |
| Capacity | 1500 VA / 1500 W | |
| Power factor | 1,0 | |
| Wave form | sine wave, THD < 3 % | |
| Frequency stability | ± 0,1 % unless synchronized to line | |
| Frequency regulation | 3 Hz bis 1 Hz (software setting) | |
| Transfer time | 0 milliseconds | |
| Crest factor | 3 : 1 | |
| Efficiency (AC to AC) | > 91 % (ECO Mode up to 97 %) | |
| Autonomy (Built-in Battery) | 3 min at 100 % (1500 W) load / 4 min at 80 % (1200 W) load | |
| DC start | YES | |
| Battery | | |
| Type | sealed lead acid maintenance free | |
| Capacity | 7 Ah | |
| Quantity | 4 | |
| Voltage | 48 VDC | |
| Recharge Time | 3 hours to 90% | |
| Built-in Charger (max. charging current) | 1,5 A | |
| Display | | |
| LCD + 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 | |
| Keys | 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 > 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 > 136 % ~ 145 % for 20 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 | Alarm and Switch Off | |
| Battery | Advanced Battery Discharge Management (ABDM) | |

Continuity Plus 1500 Series

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|---------------------------|---|
| Model | Continuity Plus 1500 |
| Alarms | |
| Audible and Visual | Line Failure, Battery Low, Overload, System Fault Conditions |
| Mechanical | |
| Dimensions (mm) | 440 W x 88 H x 475 D |
| Outlets | 6 x IEC 320 – C13 |
| Net Weight kg | 18 kg |
| Environment | |
| Operating Temperature | 0 – 40 °C (32 –104°F) |
| Temperature Warning | Design life is based on a temperature of 25 °C, Ambient temperature above this range will affect battery life |
| Altitude | 0–2000 m up to 40 °C (104 °F) , 3000 m / 9900 ftp up to 35 °C (95 °C) |
| Humidity | 90 % max., Non-Condensing |
| Noise | < 50 dB (at 1 meter / 3,3 ft) |
| Computer Interface | |
| Type | Standard RS232 and USB Interface |
| Slots | Relay contact board or SNMP card |
| Agency Compliance | |
| Quality Assurance | ISO9001 certified |
| Safety Standard | EN62040-1 |
| Performance | EN62040-3 |
| EMC Standard | IEC62040-2, EN61000-3-2, IEC61000-3-3 |
| Marks | CE, FCC Class A |
| Batteriepack | |
| Battery Voltage | 7 Ah |
| Maximum Quantity | 8 |
| Output Voltage | 48 VDC |
| Weight With Batteries | 31 kg |
| Dimensions (mm) | 88 H x 440 W x 430 D |
| Type | sealed lead acid, maintenance free |

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