

Continuity Plus S 2000-3000

Convertible Indoor On-line UPS



- 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
- Short housing design for low space requirements
- Programmable receptacles
- Powerful built-in charger shortens battery charging time and extends runtime
- Hot swappable battery allows replacement without interruption

The Continuity Plus S 2000 – 3000 Series, equipped with field-proven Digital Signal Processor, is the ideal UPS system for Servers, Networks, Storage, Telecommunications and Industrial Equipment.

Continuity Plus S 2000 – 3000 Series

Technical Data

Model	Continuity Plus S 2000	Continuity Plus S 3000
Input		
Voltage Window	160 – 280 VAC at full load	
Frequency	50 / 60 Hz mit +/- 5% (auto sensing)	
Phase / Wire	Single, Line + Neutral + Ground	
Power factor	> 0.99 (full load)	
Current THDi (100% linear load)	< 7 % at full load and nominal voltage	
Output		
Voltage	200 / 208 / 220 / 240 VAC	
Voltage regulation	< ± 0,1 %	
Capacity	2000 VA / 1800 W	3000 VA / 2700 W
Power factor	0,9	
Wave form	Sine Wave, THD < 3 %	
Frequency stability	± 0,1 % unless synchronized to line	
Frequency regulation	3 Hz to 1 Hz (Setting by software)	
Transfer time	0 m sec	
Crest factor	3 : 1	
Efficiency (AC to AC)	> 90 % (ECO Mode up to 97 %)	> 91 % (ECO Mode up to 97 %)
Autonomy (Built-in Battery)	> 5 min	> 5 min
DC start	YES	
Battery		
Type	sealed lead acid maintenance free	
Capacity	7 Ah	9 Ah
Quantity	6	
Voltage	72 VDC	
Recharge Time	3 hours to 90%	
Built-in Charger (max. charging current)	1.5 A	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)	

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Alarms		
Audible and Visual	Line Failure, Battery Low, Overload, System Fault Conditions	
Mechanical		
Dimensions (mm)	440 W x 132 H x 432 D	440 W x 176H x 432 D
Outlets	6 x IEC 320 – C13	6 x IEC 320–C13 + 1 x IEC3 20–C19
Net Weight kg	23 kg	25 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% maximum, 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 complied	
Performance	EN62040-3 complied	
EMC Standard	IEC62040-2, EN61000-3-2, IEC61000-3-3	
Marks	CE, FCC Class A	
Battery Pack		
Battery Capacity	9 Ah	
Quantity	12	
DC Voltage	72 VDC	
Weight incl. Batteries	44 Kg	
Dimensions (mm)	440 x 430 x 176 (4U)	
Type	sealed lead acid, maintenance free	

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