

Continuity Plus 1000-3000

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
- Emergency shutdown control through EPO
- Programmable receptacles
- Powerful built-in charger shortens battery charging time and extends runtime
- Hot swappable battery allows replacement without interruption

The 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.

Continuity Plus 1000 – 3000 Series

Technical Data				
Model	Continuity Plus 1000		Continuity Plus 2000	Continuity Plus 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	1000 VA / 900 W	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	3	6		
Voltage	36 VDC	72 VDC		
Recharge Time	3 hours to 90%			
Built-in Charger (max. charging current)	2.1 A	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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Model	Continuity Plus 1000	Continuity Plus 2000	Continuity Plus 3000
Alarms			
Audible and Visual	Line Failure, Battery Low, Overload, System Fault Conditions		
Mechanical			
Dimensions (mm)	440 W x 88 H x 405 D	440 W x 88 H x 600 D	
Outlets	3 x IEC 320 – C13	6 x IEC 320 – C13	6 x IEC 320–C13 + 1 x IEC3 20–C19
Net Weight kg	12 kg	22 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		
Batteriepack			
Battery Voltage	7 Ah	9 Ah	
Maximum Quantity	3 – 12	12	
Output Voltage	36 VDC	72 VDC	
Weight With Batteries	20,7 – 42,1 kg	44 kg	
Dimensions (mm)	176 H x 440 W x 420 D	88 H x 440 W x 581 D	
Type	sealed lead acid, maintenance free		

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