

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		> 149 % ~ 157 % for 2 seconds shut down		
		> 106 % ~ 120 % for 250 seconds shut down		> 158 % ~ 176 % for 1 seconds shut down		
		> 121 % ~ 130 % for 125 seconds shut down		> 177 % ~ 187 % for 0.32 seconds shut down		
		> 131 % ~ 135 % for 50 seconds shut down		> 188 % for 0.16 seconds shut down > 136 % ~ 145 % for 20 seconds shut down – buzzer continuously alarms		
		> 146 % ~ 148 % for 5 seconds shut down				
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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