

Continuity Plus 6K – 10K

Convertible On-line UPS with PF 1.0



- High Power Factor 1.0
- On-line UPS with superior output power factor, enabling energy efficient system performance
- Suitable for redundant systems
- LCD / LED display panel provides user-friendly interface to UPS
- Emergency shutdown control through EPO
- Hot swappable battery allows replacement without interruption
- Smart ECO mode allows automatic transfer to the inverter supply

The Continuity Plus 6K-10K Series with full-time DSP (Digital Signal Processor) control technology is the perfect solution for mission critical users who demand high reliability, availability and performance from a UPS. Input power factor correction, high efficiency and parallel redundant capability provide a superior level of power quality for sensitive electronic equipment and computer loads.

Continuity Plus 6K – 10K Series

Technical Data

Model	Continuity Plus 6K		Continuity Plus 10K	
Input				
Voltage Window	160 – 280 VAC			
Frequency	45 / 65 Hz			
Phase / Wire	Single, Line + Neutral + Ground			
Power Factor	up to 0.99 at 100% linear load			
Current THDi (100% linear load)	< 7 % at full load and nominal voltage			
Output				
Voltage Window	200 / 208 / 220 / 240 VAC			
Voltage Adjustment	Nominal ± 1 % / ± 2 % ± 3 %			
Voltage Regulation	± 1 %		± 2 %	
Capacity	6000 VA / 6000 W		10.000 VA / 10.000 W	
Rated Power Factor	1,0			
Wave Form	Sine Wave, THD < 3 %			
Frequency Stability	± 0,2 %			
Frequency Regulation	1 Hz, 3 Hz			
Transfer Time	0 milliseconds			
Crest Factor	3 : 1			
Efficiency (AC to AC)	> 93 % (ECO Mode up to 98 %)		> 94 % (ECO Mode up to 98 %)	
Autonomy (with battery pack)	> 5 minutes (expandable with external Battery Pack)			
DC Start	YES			
Battery				
Type	sealed lead acid maintenance free			
Capacity	12V / 9 Ah			
Quantity (pcs)	20 (in external battery pack)			
Voltage	240 VDC			
Recharge Time	5 hours up to 90%			
Built-in Charger (max. charging current)	2.1 A			
Display				
LCD + LED	Line mode, Backup mode, ECO mode, Bypass supply, Battery low, Battery bad / disconnect, Overload, Transferring with interruption & UPS fault			
Readings on display	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage & Temperature			
Self diagnostics	Upon Power-On, front panel setting & Software control, 24-hour routine checking			
Protection				
Overload	Inverter Supply: 105 % ~ 150 % for 160 seconds ~ 2 cycles before switching bypass Bypass Supply: 105 % ~ 200 % for 500 seconds ~ 8 cycles before stopping supply load			
Short Circuit	switch off immediately			
Overheat	AC Mode: Switch to Bypass – Backup Mode: Switch off the UPS			
Battery Low	Alarm and switch off			
Heat Dissipation (w/o transformer)	< 450 W		< 600 W	
Heat Dissipation (w/ transformer)	615 W		1100 W	
Leakage Current	< 3 mA at full load			

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Model	Continuity Plus 6K	Continuity Plus 10K
Alarms		
Audible and Visual	Line Failure, Battery Low, Transfer to Bypass, System Fault Conditions	
Mechanical Specifications		
Dimensions (mm)	440 W x 88 H x 680 D	440 W x 132H x 680 D
Output Connection	Hardwire	
External Battery Connection	Plug & Play	
Net Weight	24 kg	26 kg
Environment		
Operating Temperature	0 – 40 °C	
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, 3000 m up to 35 °C	
Humidity	90 % max., Non-Condensing	
Noise	< 50 dB (with 1 meter distance)	
Computer Interface		
Type	Standard RS232 Interface and USB	
Communication Slot	2x RS232, USB, RS485, Relay Contact or SNMP Card	
Agency Compliance		
Quality Assurance	ISO9001 certified	
Safety Standard	EN62040-1	
EMC Standard	IEC62040-2, EN61000-3-2, IEC61000-3-3	
Performance	EN62040-3	
Marks	CE, FCC Class A	
Battery Pack		
Battery	9 Ah	
Quantity (pcs)	20	
Output Voltage	240 VDC	
Weight Without Batteries	18 kg	
Weight With Batteries	63 kg	
Dimensions (mm)	132 H x 440 W x 685 D	
Type	sealed lead acid, maintenance free	

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