

Continuity 6K-10K

Indoor On-line UPS Series



Your Power Solutions Partner

- Feature rich on-line UPS series with superior output power factor, enabling energy efficient system performance
- Smart ECO mode allows automatic transfer to inverter supply, maximizing efficiency
- LCD / LED display panel provides user-friendly interface to UPS
- Emergency shutdown control through EPO complies with national safety regulations and local code
- Hot swappable battery allows replacement without interruption to critical loads

The Alpha Continuity Indoor 6K-10K Series with full-time 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.



Alpha Continuity Rack Configuration



Alpha Continuity Tower Configuration

Power



NOMINAL SPECIFICATIONS		
Models	Continuity 6K	Continuity 10K
P/N	0170012	0170013
INPUT		
Voltage Window	160~280Vac	160~280Vac
Frequency	45-65Hz	45-65Hz
Phase/Wire	Single, Line + Ground	Single, Line + Ground
Power Factor	Up to 0.99 at 100% Linear Load	Up to 0.99 at 100% Linear Load
Current THD (100% linear load)	<7%	<7%
OUTPUT		
Voltage Window	200/208/220/240Vac Selectable (208/120Vac* optional)	200/208/220/240Vac Selectable (208/120Vac* optional)
Voltage Adjustment	Nominal +1%, +2%, +3%, -1%, -2% or -3%	Nominal +1%, +2%, +3%, -1%, -2% or -3%
Voltage Regulation	±1%	±2%
Capacity	6000VA/5400W	10000VA/9000W
Rated Power Factor	0.9 Lagging	0.9 Lagging
Wave Form	Sine Wave, THD<3% (no load to full load)	Sine Wave, THD<3% (no load to full load)
Frequency Stability	±0.2% (Free Running)	±0.2% (Free Running)
Frequency Regulation	±1Hz; ±3Hz	±1Hz; ±3Hz
Transfer Time	0ms	0ms
Crest Factor	3:1	3:1
Efficiency (AC to AC, normal)	Up to 90%	Up to 90%
Efficiency (AC to AC, ECO)	Up to 95%	Up to 95%
Autonomy (80% load with 1 external battery pack)	7.1 mins (no internal batteries in UPS)	4.8 mins (no internal batteries in UPS)
DC Start	Yes	Yes
DISPLAY		
Status On LED + LCD	Line Mode, Backup Mode, ECO Mode, Bypass Supply, Battery Low, Battery Bad/Disconnect, Overload, Transferring with interruption & UPS Fault.	
Readings on LCD	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature.	
Self-diagnostics	Upon Power-on, Front Panel Setting & Software Control, 24-hour routine checking	
ALARMS		
Audible & Visual	Line Failure, Battery Low, Transfer to Bypass, System Fault Conditions	
PROTECTION		
Overload (w/simulated thermal tripping I-T Curve)	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	Switch off Immediately
Overheat	AC Mode	Switch to Bypass
	Backup Mode	Switch off the UPS
Battery Low	Alarm and Switch Off	Alarm and Switch Off
Noise Suppression	Complies with EN62040-2	Complies with EN62040-2
Spike Suppression	Complies with EN61000-4-5	Complies with EN61000-4-5
Heat dissipation (at full linear load)	w/o Isolated Transformer Module	<467W
	w/ Isolated Transformer Module	<715W
Leakage Current	<3mA at Full Load	<3mA at Full Load

*120Vac output requires optional transformer module

Alpha Technologies Ltd.

For more information visit www.alpha.ca

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Model	Continuity 6K	Continuity 10K
MECHANICAL		
Dimensions	88H x 440W x 680D	132H x 440W x 680D
	3.46H x 17.3W x 26.8D	5.2H x 17.3W x 26.8D
Input/Output Connection	Hardwire	Hardwire
External Battery Connection	Plug-in & Play	Plug-in & Play
Net Weight	24kg (52.9lbs)	26.0kg (57.3lbs)
ENVIRONMENT		
Operating Temperature	0-40°C (32-104°F)	0-40°C (32-104°F)
Temperature Warning	The battery design life is based on a temperature of 25°C (77°F), Ambient temperature above this range will affect battery life	
Altitude	0-1000M/3300ft without deriding	
Humidity	90% RH Maximum, Non-Condensing	90% RH Maximum, Non-Condensing
Noise	<50dB (at 1M/3.3ft)	<60dB (at 1M/3.3ft)
COMPUTER INTERFACE		
Interface Type	Standard RS232	Standard RS232
Communication Slot	2nd RS232, USB, RS485, Dry Contact Card or SNMP Card	
AGENCY COMPLIANCE		
Safety Standard	EN62040-1-1, UL1778	
EMC Standard	EN62040-2, EN61000-3-2, EN61000-3-3, FCC Class A	
Marks	cUL, UL	
BATTERY PACK		
Model	BP Continuity 6K	BP Continuity 10K
P/Ns	0320007-001	0320008-001
Battery Type	7Ah	9Ah
Battery Quantity	20pcs	20pcs
Output Voltage	240Vdc	240Vdc
Unit Weight	54.2kg (119.49lbs)	65.2kg (143.74lbs)
Dimensions	132H x 440W x 680D	132H x 440W x 680D
	5.2H x 17.3W x 26.8D	5.2H x 17.3W x 26.8D
STEP-DOWN TRANSFORMER		
Model	Continuity 6K Transformer	Continuity 10K Transformer
P/Ns	7400117	7400118
Input Voltage	208Vac	208Vac
Output Voltage	Configurable 120Vac or 120/208Vac or 120/240Vac	Configurable 120Vac or 120/208Vac or 120/240Vac
Unit Weight	42kg (92.6lbs)	53kg (116.84lbs)
Dimensions	88H x 440W x 680D	132H x 440W x 680D
	3.46H x 17.3W x 26.8D	5.2H x 17.3W x 26.8D

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