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Continuity 6K-10K

Indoor On-line UPS Series



Alpha Continuity Tower Configuration



Alpha Continuity Rack Configuration

- 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
- Extended runtime capabilities with external battery bank

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 frequency converter capability provide a superior level of power quality for sensitive electronic equipment and computer loads.

Continuity 6K-10K Indoor On-line UPS Series

Nominal Specifications		
Models	Continuity 6K P/N: 0170012	Continuity 10K P/N: 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 (120VAC* optional)	200/208/220/240VAC Selectable (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):	7.06 mins (no internal batteries in UPS)	4.52 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	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	w/o Isolated Transformer Module: 101k; <780W w/ Isolated Transformer Module: 101k; <1190W
Leakage Current:	<3mA at Full Load	<3mA at Full Load

*120VAC output requires optional transformer module



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07/2020
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Continuity 6K-10K Indoor On-line UPS Series

Model	Continuity 6K P/N: 0170012	Continuity 10K P/N: 0170013
Mechanical		
Dimensions:	mm: 88H x 440W x 680D inches: 3.46H x 17.3W x 26.8D	mm: 132H x 440W x 680D inches: 5.2H x 17.3W x 26.8D
Input/Output Connection:	Hardwire	Hardwire
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 (minimum one required)		
Model	BP Continuity 6K P/N: 0320007-001	BP Continuity 10K P/N: 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:	mm: 132H x 440W x 680D inches: 5.2H x 17.3W x 26.8D	mm: 132H x 440W x 680D inches: 5.2H x 17.3W x 26.8D

Battery Runtime @ 80% Load			
	With 1 External Battery Pack	With 2 External Battery Pack	With 3 External Battery Pack
Continuity 6K (no internal batteries)	7.06 minutes	17.20 minutes	41.36 minutes
Continuity 10K (no internal batteries)	4.52 minutes	13.55 minutes	27.09 minutes

Step-Down Transformer		
Model	Continuity 6K Transformer P/N: 7400117	Continuity 10K Transformer P/N: 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:	mm: 88H x 440W x 680D inches: 3.46H x 17.3W x 26.8D	mm: 132H x 440W x 680D inches: 5.2H x 17.3W x 26.8D



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