

SERIES CONTINUUM CM1A - SINGLE PHASE UPS

The **Series Continuum** CM1 tower UPS is a family of high-density performance for advanced backup power and power quality management for PCs, workstations, and servers. Featuring true double conversion on-line technology, the Series Continuum UPS



protects your data by supplying reliable, network-grade power. With capacity up to 12kVA in convenient tower form, small footprint, designed to be installed in an office or computer room. Customers looking for very accurate regulation for voltage and frequency including an internal bypass can now be accommodated by a Series of UPS that are readily available in Richmond, with all products backed by our world class service division.

Applications

- É Computers
- É Network Servers
- É Workstations
- É Wireless Communications
- É Other Electronic Peripherals

Standard Equipment Features

- É True On-line Double Conversion
- É Digital Microprocessor Control
- É Easy To Read Visual Display
- É RS232 Communication is Standard
- É Optional Specialized UPS Management Software
- É Small Footprint
- É Hardwired Input and Output
- É Industrial Design
- É Long Life Part Selection

Optional Features

- ˆ Split Input/Output Voltage
- ˆ Nema 3R Enclosures
- ˆ Back-up Diesel Generator with Transfer Switch (ATS)
- É Remote Monitor (Status)
- ˆ HTTP Monitoring Support
- ˆ Maintenance Bypass Module Cabinet
- É Remote Communications
- É Turn-key+Installation
- ˆ PDU Module Cabinet



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System Specifications

MODEL						
CAPACITY	(VA)	3000	6000	8000	10000	12000
	(W)	2400	4800	6400	8000	8400
INPUT						
Voltage		110V or 220V	220V			
		Voltage/Range	Voltage/Range			
		94 . 137V	187 . 275V			
		187 . 275V				
Frequency	50/60Hz Auto Sensing					
OUTPUT						
Voltage	100V, 110V, 115V, 120V, 127V/208V, 220V, 230V, 240V +/- 2% (Selectable Output Voltage)					
Frequency (on battery)	50/60Hz +/- 0.5%					
Transfer Time	0 ms					
Overload Recovery	Auto transfer to UPS					
Efficiency (AC to AC)	>90%					
UPS Design Technology	On-Line/Fully Digital Microprocessor Controlled					
Output Wave Form	Sinewave					
Harmonic distortion	< 3% of T.H.D. at linear load					
Crest Factor	3 : 1					
BATTERY						
Type	Sealed, maintenance . free lead acid batteries					
DC Voltage (V)	192V 12V x 16					
Typical Recharge Time to 90% Full	10 x Discharge Time					
Battery Protection	Cut off without draining any current when battery is low					
Back Up Time	External Battery Only	5 Min Internal Battery	External Battery Only			
PROTECTION AND FILTERING				CONFORMANCE		
Overload Protection	120% FOR 30 seconds 150% for Auto Bypass		EMC (EMS/EMI)	EN50091-2		
Short Circuit Protection	UPS output cut off immediately or input fuse/circuit breaker protection					
SYSTEM DISPLAY/WARNING			ENVIRONMENT			
Visual Display - LED	UPS on (green), line-mode (green), battery model (yellow), bypass (yellow), fault (red)		Audible Noise (1 meter from surface)	< 40 dBa		
Visual Display - LCD	Input/output voltage, input/output frequency, on-line mode, back up mode, battery capacity, load level		Operating Temperature	32 . 104 F / 0 . 400 C		
			Storage Temperature	-4 . 122 F / -20 - 500 C		
Audible Alarm (Battery back-up)	Beep every 5 sec		Altitude	3,500 meters max		
UPS Fault	Continuous beeping sound and LCD display with LED		Relative Humidity	0-95% humidity, non-condensing		
Communication	RS-232 Serial Port					
PHYSICAL						
Input Inlet	NEMA 5-15 (120V)/IEC 320 (230V)		Hardwire			
Receptacles	NEMA 5-15 (120V)/IEC 320 (230V)		Hardwire			
	6 (120V), 4 (230V)		Hardwire			
Dimensions Inches (mm) W x D x H	7.0+x 20+x 14.2+(180 x 500 x 360)	9+x 23+x 27+ (230 x 580 x 685)	19+x 13.5+x 33.5+(480 x 350 x 850)	19+x 13.5+x 33.5+(480 x 350 x 850)	29+x 13.5+x 35.6+(738 x 350 x 905)	
Net Weight (lb)	73 (33)	110 (50)	255 (116)	260 (120)	390 (177)	
Shipping Weight (lb)	78 (36)	56 (26)	265 (120)	280 (130)	412 (187)	

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