

SERIES CONTINUUM CM1 - 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 line interactive and double conversion on-line technology, the Series Continuum UPS protects your data by supplying reliable, network-grade power. With capacity up to 5kVA 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 and input power factor correction 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 Advanced Microprocessor Control
- É Green Mode Function - Automatically turns off inverter with no load
- É Easy To Read Visual Display
- É RS232 Communication is Standard
- É Integrated Smartcard Slot Providing a Choice
- É Optional Specialized UPS Management Software
- É Small Footprint

Optional Features

- “ Split input/output voltage
- “ Nema 3R Enclosures
- “ Back-up Diesel generator with transfer switch (ATS)
- É Remote Monitor (Status)
- “ HTTP Monitoring Support
- “ Parallel capability
- “ Maintenance Bypass Module Cabinet
- É Remote communications
- É Turn-key+Installation
- “ PDU Module Cabinet



POWER SYSTEMS
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System Specifications

LCD DISPLAY MODEL								
CAPACITY	(VA)	700	1000	1500	2000	3000	4000	5000
	(W)	490	700	1050	1400	2100	2800	3500
INPUT								
Voltage Load	100V, 110V, 115V, 120V, 127V				208V, 220V, 230V, 240V			
	Voltage/Range	Load Capacity	Voltage/Range	Load Capacity	Voltage/Range	Load Capacity		
	60 . 69V	0 . 40%	120 . 139v	0 . 40%	120 . 139V	0 . 40%		
	70 . 79V	0 . 70%	140 . 159V	0 . 70%	140 . 159V	0 . 70%		
	80 . 144V	0-100%	180 . 276V	0 . 100%	160 . 276V	0 . 100%		
Frequency	50/60Hz Auto Sensing							
OUTPUT								
Voltage (on battery)	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							
High Efficiency mode (AC to AC)	.95%							
UPS Design Technology	On-Line/Fully digitized microprocessor controlled							
Output Wave Form	Sine wave							
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)	24V/12V 7.2AH X 2	36V/12V 7.2AH X 3	36V/12V 9AH X 3	72V/12V 7.2AH X 6	72V/12V 9AH X 6	120V/12V 7AH X 10	120V/12V 9AH X 10	
Typical Recharge Time to 90% Full	4 hours							
Management	Self-test, adjustable battery transfer points and alarm settings							
Battery Protection	Cut off without draining any current when battery is low							
Cold Start (DC start)	YES							
Back Up Time (box model)	7 min	7 min	6 min	7 min	6 min	5 min	6 min	
Back Up Time (half load)	15 min	15 min	15 min	15 min	15 min	15 min	15 min	
PROTECTION AND FILTERING				CONFORMANCE				
Surge Protection	120V (IEEE C62.41)/230V (IEEEC61000-4-5 LEVEL 3)			Safety	UL 1778.CE			
Overload Protection	125% FOR 1 minutes and 150% for 10 seconds			EMC (EMS/EMI)	IEC 61000-4, FCC Part 15, CISPR 22			
Short Circuit Protection	UPS output cut off immediately or input fuse/circuit breaker protection			Warranty	12 months from commissioning or 18 months from shipment			
SYSTEM DISPLAY/WARNING				ENVIRONMENT				
Visual Display (LED mode)	UPS on (green), line-mode (green), battery model (yellow), bypass (yellow), fault (red)			Audible Noise (1 meter from surface)	< 40 dBa			
Visual Display (LCD mode)	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			Relative Humidity	0-95% humidity, non-condensing			
Communication	RS-232 Serial Port and USB							
PHYSICAL								
Input Inlet	NEMA 5-15 (120V)/IEC 320 (230V)						Hardwire	
Receptacles	NEMA 5-15 (120V)/IEC 320 (230V)						IEC 320	
Total Receptacles (UPS + Surge/Surge Only)	6 (120V 4 (230V)			12 (120V) 8 (230V)			IEC 320 C13-8 IEC 320 C19-2	
Box Dimensions Inches (mm) W x D x H	6.0+x 16.5+x 9.3+(152 x 420 x 237)			8.9+x 16.5+x 14.2+(225 x 420 x 360)			10.1 x 23.2 x 22.4 (257 x 590 x 570	
Net Weight (kg) Box model	30.6 (13.9)	37.6 (17.1)	38.9 (17.7)	74.4 (33.8)	78.3 (35.8)	189.2 (86.0)		
Shipping Weight (kg) Box model	34.3 (15.6)	41.6 (18.9)	42.9 (19.5)	79.2 (36.0)	83.6 (38.0)	233.2 (106.0)		

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