

SERIES CONTINUUM CM1 - SINGLE PHASE UPS

The **Series Continuum** CM1 Single phase rack mount 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, VA USA - Come check out the new **Series Continuum** Phase 1.

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 DG set with ATS
- HTTP Monitoring Support
- Parallel capability
- Remote communications
- Turn-key+Installation
- PDU Module Cabinet
- Extended Battery Module (shown below)



POWER SYSTEMS
& CONTROLS
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System Specifications

| LCD DISPLAY MODEL | | | | | | | | |
|-----------------------------------|--|----------------------|----------------------------------|--------------------------------------|---|--------------------------------|-------------------------------------|------|
| CAPACITY | (VA) | 700 | 1000 | 1500 | 2000 | 3000 | 5000 | 6000 |
| | (W) | 490 | 700 | 1050 | 1400 | 2100 | 3500 | 4200 |
| INPUT | | | | | | | | |
| Voltage Load | 100V, 110V, 115V, 120V, 127V | | | 208V, 220V, 230V, 240V | | | | |
| | Voltage/Range | | Load Capacity | | Voltage/Range | | Load Capacity | |
| | 60 . 69V | | 0 . 40% | | 120 . 139v | | 0 . 40% | |
| | 70 . 79V | | 0 . 70% | | 140 . 159V | | 0 . 70% | |
| 80 . 144V | | 0-100% | | 180 . 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 Eff. mode | > .95% | | | | | | | |
| UPS Topology | On-Line/Fully digitized 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) (1U) | 24V/6V 7.2AH X 4 | | | Not Applicable | | | | |
| DC Voltage (V) (2U) | 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 | 240V/12 (6U) V7.2AH x 20 | 240V/12 (6U) V7.2AH x 20 | |
| Recharge to 90% | 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 | 7 min | 7 min | 6 min | 7 min | 6 min | 9 min | 7 min | |
| Back Up Time (half load) | 15 min | 15 min | 15 min | 15 min | 15 min | 27 min | 20 min | |
| PROTECTION AND FILTERING | | | | CONFORMANCE | | | | |
| Surge Protection | 120V (IEEE C62.41) / 230V (IEEEC61000) | | | Safety | UL 1778.CE | | | |
| Overload Protection | 125% FOR 1 minute 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 Startup 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 (On Battery) | Beep every 5 sec | | | Altitude | 3,500 meters max | | | |
| UPS Fault | Continuous beep & LCD display | | | Relative Humidity | 0-95% humidity, non-condensing | | | |
| Communication | RS-232 Serial Port and USB | | | | | | | |
| PHYSICAL | | | | | | | | |
| Input / Receptacles | NEMA 5-15 (120V)/IEC 320 (230V) / NEMA 5-15 (120V)/IEC 320 (230V) | | | | | | | |
| Total Receptacles | 6 (120V) + 4 (230V) | | | 4 (120V) + 4 (230V) | | Hardwire | | |
| Box Dim. Inches (mm) W x D x H | 16.9+x 20.7+x 1.7+(428 x 525 x 44) | | NONE | | | | 16.9+x 23.5+x 5.1+(428 x 591 x 130) | |
| | 16.9+x 16.7+x 3.3+(428 x 425 x 84) | | 16.9+x 25+x 3.3+(428 x 635 x 84) | | 16.9+x 23.5+x 5.1+(428 x 591 x 130) | | | |
| Net Weight (kg) Box model | 1U= 33(15) | 1U=33(15) | 42.0 (19.1) | 73.9 (33.6) | 83.6 (34.3) | 44 (20) Power Module | | |
| | 2U=34(15.4) | 2U=41(18.7) | | | | 145.2 (66) Battery Module | | |
| Shipping Weight (kg) Box model | 1U=39(17.7) | 1U=39(17.7) | 47.7 (21.7) | 80.7 (36.7) | 84.3 (38.3) | 52.8 (24) Power Module | | |
| | 2U=39(17.9) | 2U=47(21.6) | | | | 166 (75.5) Battery Module | | |

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