

CMN Series

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Uninterruptible Systems for Power Control Applications

CMN D-PD Series

Features: Power Channel™ Technology & Slide-out Battery Tray

The CMN D-PD Series is designed for rackmount use and will operate in extreme temperature environments of 0°C to +60°C (32°F to +122°F).



CMN2400D-PD

The CMN D-PD Series is an on-line power conditioner/UPS, featuring Power Channel™ Technology. The CMN D-PD Series features removable battery tray technology to facilitate removal of batteries without removal of UPS from the cabinet. This technology simplifies the battery replacement process and vastly reduces the amount of time necessary to replace batteries. System does not have to be shut-down to replace battery tray. Various connection methods as well as various connector types and back-plane configurations are available, please consult factory. System measurements are 5.25 inches tall by 19 inches wide by 23.0 inches deep. Provides input isolated, Power Factor corrected, ON-LINE operation for ship-board operation.



Rear view with optional back-panel



Eight Channel Remote Control Panel

Feature:

Meets Mil Specs; MilStd 1399, RE101/RE102, CS101/CS102, CS116, CE101*/CE102*, MilStd 167-2 & MilStd 901D

* When installed in cabinet with EMI front door.

Where POWER is a way of life

Uninterruptible Systems for Power Control Applications

ELARY
The Continuous Power Company™

Industrial Commercial

CMN D-PD Series Specifications

ELECTRICAL

Input

Voltage	120 VAC +35% (162 VAC), -20% (96 VAC) (before battery use)
Frequency	48 to 62 Hz
Current	25A max @ 120Vac

Output

Voltage	120 VAC \pm 3%
Frequency	50 or 60 Hz
Current	20A (2400VA)

Rating:

CMN2400D-PD	2,400 VA/1680 Watts
Crest Factor Ratio	@50% Load Up to 4.8:1
(Non-linear Load and < 5% THD) Typical	@75% Load Up to 3.2:1
	@100% Load Up to 2.4:1

Total Harmonic Distortion (THD)	5.0% Max.
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Dynamic Response	\pm 4% for 100% Step Load Change 0.5 ms Recovery Time
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Overload	110% for 10 sec; 200% for .05 sec
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UPS Protection	Input and Output Short Circuit; Input and Output Overload; Excessive Battery Discharge
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ENVIRONMENTAL

Operating Temp.	0°C to +60°C (32F to+140°F)
Humidity	0% to 95% Non-condensing
Altitude	Sea Level to 10,000 ft

MECHANICAL

Input	CPC, 3 pin inlet connector
Outputs	CPC, 37 pin reverse sex connector
Cooling	Low Velocity, Forced Air

CUSTOM Options

Remote Control Panel	CMN-REM9A Consult Factory for other Custom options
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DESIGN

Standard Features	Power Factor Corrected Input; Fully Regenerative; True On-Line Continuous Power; Low Distortion Sinewave Output; Designed for Non-linear Loads; Extended Brownout Protection; EIA/RS232 Data Interface
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Specifications	Meets FCC Class A, IEEE 587/ANSI C62.41, IEC 555 @ 120 VAC and NEMA Stds
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MTBF	Inverter: > 100,000 hrs System w/Bypass: 150,000 hrs Calculated from Component Spec
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Typical Recharge Time to 85% Capacity @ 100% Load	48-72 hrs (more time required with extended battery option) Less than 20 hrs with optional Fast Battery Charger
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CONTROLS AND INDICATORS

Ramping LEDs	Battery Level; Load Level
Single LEDs	AC In; Inverter On; Low Battery and Summary Alarm; Alarm Silence

Control Panel	Power On; Cold Start; Test; Alarm Silence; Event Counter (w/Reset); Hour Meter; Battery Disconnect
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Audible Alarms	Utility Interrupt; Inverter Failure; Overload; Low Battery; Self Test
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Serial Interface for EIA 232. Optional NTCIP and TCP/IP via Standard RJ45 Connector	Full Interactive Remote Computer Monitoring and Control of Most Features Including Load Control (requires optional monitoring software); NTCIP and TCP/IP Ready
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Contact Closures ("D" connector)	Open Collector for Remote Annunciation of Power Up, Power Down, On Battery, Low Battery and Alarms
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Preliminary Specification subject to change without prior notice.



Uninterruptible Systems for Power Control Applications

Model	VA	Watts	Input Current (A)	Output Current (A)	Backup Time* 100% / 50% Load	Unit Weight (lbs)	Rackmount H x W x D (in)
CMN2400D-PD	2400	1680	25 max @120Vac	20.0 (2400VA)	10 / 25 Mins.	120	5.25 x 19.0 x 23.0

CLARY
The Continuous Power Company™

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Made in the USA

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