

SINGLE PHASE COMPUTER POWER CONDITIONER WITH VOLTAGE REGULATION, SHIELDING, FILTERS, AND BUILT-IN DISTRIBUTION...

COMPUTER ROOM • PRODUCTION FACILITY • TESTING LAB • TELECOMMUNICATIONS
RETAIL SALES / POS • INDUSTRIAL • GOVERNMENT • PUBLIC BUILDING • SCHOOLS
LIBRARY • HEALTHCARE • CRUISE LINE • BANKING / CREDIT • PRINTING FACILITY

CONSTANT POWER 6 3 TO 15 kVA



Built to LAST

The conservative design and rating parameters of the CP6 permit it to attain an unprecedented 30 years of continuous operation. Designed to be first in quality, second to none in value and to last well into the 21st century.

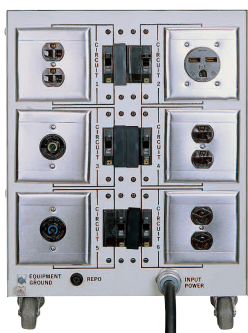
Cost Effective

In the real world, regulators are typically loaded at no more than 65 to 80 percent of their power rating. Under these conditions, CP6 technology is 20% more efficient than competing ferroresonant/magnetic synthesizer technology.

Convention Cooled Transformer

The CP6 transformer is convection cooled. This is the fail-safe, highly effective means whereby the CP6 maintains a 220°C insulation rating. Under full load and low line conditions, the system can operate in a 40°C environment indefinitely while sustaining periodic 50°C temperature rises.

Rear Panel Output Receptacles Configuration (Std. 1 each 520R2)



Right Choice

The CP6 is the right choice for those who want maximum flexibility. It may be powered via a hard-wired junction box or plugged into a standard electrical outlet. The caster base on the CP6 provides ease of mobility. It may be equipped with most NEMA or Hubbell type receptacles. These receptacles may be installed on the back panel or at the end of OnLine's liquid-tight, UL approved conduit in any length. Six LED's indicate at a glance which transformer tap is being selected by the SCR's for regulation. A bypass switch is standard on all units for ease of maintenance.

A voltage spike of even a few milliseconds duration is enough to destroy data or equipment. That is why more and more business systems are relying on the CP6.

Powerful voltage irregularities, such as common mode and transverse mode noise, are cleaned up by the CP6's heavy-duty input and output filters. But most of the dirty voltage and noise never make it to the output filters because they are snuffed out by the dual-shielded high-isolation transformer.

Voltage sags and surges are held up and mowed down by the transformer's six 3% taps. A bank of SCR's can be counted on to provide smooth tap-switching with input swings from +10 to -26% of nominal. Switching only occurs at the zero current crossing of the AC cycle to deliver regulation without a hitch.

UL Listed

Plug and Play Design

Solid State Status Indicators

Compact and Economical

Heavy-Duty Filters

Regulation/Isolation only
Bypass Switch

Tight Output Voltage
Regulation

Auto Tap Switching @ Zero
Crossing Point

Output Distribution

Versatile/Flexible

Easily Field Upgradable

1 Year Warranty

CP 6 SPECIFICATIONS

Sizes: 5, 8, 10, and 15 kVA

Input Voltage*: 120 or 208, 220, 240, or 480 VAC

Output Voltage*: 120 or 120/240 VAC

Frequency*: 60 Hz. +5%

Response Time: 1 cycle typical

Harmonic Distortion: 3% individual, 5% total at switching

Audible Noise: <35 dB. measured on Response Curve "A"

Common-Mode: -120 dB.

Normal-Mode: -60 dB/decade

Overload (Inrush): 200% of full load for 10 seconds
1000% of full load for 1 cycle

Loading Rating: Continuous, regardless of load/line cond.

Input Voltage Regulation Range: +10% to -26% of nominal

Output Voltage Regulation Range: ±3% typ. ±4% All load/line cond.

Efficiency: 96% min.

Load Power Factor: 0.3 leading or lagging to unity

Transformer: Single phase computer grade, dual-shielded, isolation transformer

Transformer Impedance: 3 to 5%

Cooling: Convection

Environmental:

Operating Temperature: 32°F (0°C) to 104°F (40°C)

Storage Temperature: -4°F (-20°C) to 140°F (60°C)

Operating Humidity: 10 to 95% non-condensing

Dimension: 19.5" (49.5cm) Height, 14.5" (36.8cm) Width, 25.5" (64.8cm) Depth

KVA SIZES	INPUT VOLTAGE	MODEL NUMBERS		WEIGHT (LBS)	BTUs/ HR
		120 OUTPUT	120/240 OUTPUT		
3	120 VAC	C6003A0100TI	C6003A0200TI	115	408
	208VAC	C6003B0100TI	C6003B0200TI		
	220VAC	C6003C0100TI	C6003C0200TI		
	240VAC	C6003D0100TI	C6003D0200TI		
	480VAC	C6003H0100TI	C6003H0200TI		
5	120 VAC	C6005A0100TI	C6005A0200TI	140	680
	208VAC	C6005B0100TI	C6005B0200TI		
	220VAC	C6005C0100TI	C6005C0200TI		
	240VAC	C6005D0100TI	C6005D0200TI		
	480VAC	C6005H0100TI	C6005H0200TI		
8	120 VAC	C6008A0100TI	C6008A0200TI	210	1,080
	208VAC	C6008B0100TI	C6008B0200TI		
	220VAC	C6008C0100TI	C6008C0200TI		
	240VAC	C6008D0100TI	C6008D0200TI		
	480VAC	C6008H0100TI	C6008H0200TI		
10	208VAC	C6010B0100TI	C6010B0200TI	230	1,360
	220VAC	C6010C0100TI	C6010C0200TI		
	240VAC	C6010D0100TI	C6010D0200TI		
	480VAC	C6010H0100TI	C6010H0200TI		
	208VAC	C6015B0100TI	C6015B0200TI		
15	220VAC	C6015C0100TI	C6015C0200TI	280	2,040
	240VAC	C6015D0100TI	C6015D0200TI		
	480VAC	C6015H0100TI	C6015H0200TI		

* Other voltages or frequencies available- contact factory

STANDARD FEATURES

- Caster Based Compact Cabinet
- Multiple Input Voltages (208, 220, 240 Units only)
- 6 ft. Input Cable
- Input Main Circuit Breaker
- Single Phase Dual-Shielded Computer Grade, Copper wound Isolation Transformer
Input; +10%, -26%
Output; ±3% typ. ±4% max.
- Regulation/Isolation Only Switch (Bypasses Regulation Electronics)
- Power ON Indicator
- Output Distribution
- One NEMA 5-20R2 Receptacle with IP20 Amp Circuit Breaker
- Input/Output Filter (-60 dB. per decade)
- Tap Selection Indicators
- Five Local/Remote Receptacle Ports
- 1 Year Warranty

OPTIONS

- High Isolation Transformer with Harmonic Reduction (up to K-50)
- Remote Emergency Power OFF (REPO) Station with 50 ft. Cable
- Thermal Remote Emergency Power OFF (REPO) Station with 50 ft. Cable
- Manual Restart
- Locking Input Plug
- Matching Input Receptacle
- Shunt-Trip Main Input Circuit Breaker with REPO Plug
- 60 Amp. Plug & Receptacle
- 100 Amp. Plug & Receptacle
- Spare Parts
- TVSS
- Extended Warranty and Service Plan
- Special Paint

Specifications are subject to change without prior notification.