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.

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.
### 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  
**Loading Rating:** Continuous, regardless of load/line cond.  
**Input Voltage Regulation Range:** +10% to -5% 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

#### Specifications

<table>
<thead>
<tr>
<th>KVA SIZES</th>
<th>INPUT VOLTAGE</th>
<th>MODEL NUMBERS</th>
<th>WEIGHT (LBS)</th>
<th>BTUS/ HR</th>
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<td>115</td>
<td>408</td>
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<tr>
<td></td>
<td>208 VAC</td>
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</table>

* Other voltages or frequencies available- contact factory

Specifications are subject to change without prior notification.

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### OPTIONS

- High Isolation Transformer with Harmonic Reduction (up tp K-50)
- Remote Isolation Transformer with 50 ft. Cable
- Thermal Remote Isolation Transformer 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

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**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 1P20 Amp Circuit Breaker
- Input/Output Filter (-60 dB. per decade)
- Tap Selection Indicators
- Five Local/Remote Receptacle Ports
- 1 Year Warranty

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