



Quality Products. Service Excellence.

## Constant Voltage - AC Regulator (+/- 120VAC to 120VAC) CV Series

Plug-In

**Note:** This product line has been discontinued as a stocked series. Information is for reference only. For alternative solution assistance, please contact Hammond Customer Service - [sales@hammfg.com](mailto:sales@hammfg.com) or USA (716) 630-7030, Canada and International (519) 822-2960.



### Features

- AC regulating - protects against both brownouts & over voltage conditions.
- Protects against any power problem other than a blackout.
- Will operate through a 3 millisecond (minimum) blackout.
- Long life - ferroresonant design - no moving parts.
- Ferroresonant design also filters out surges, line harmonics, and RF noise.
- Input 120VAC (+10 % to -25 %), 60 Hz
- Output 120VAC (+/- 3 %).
- Provides circuit isolation.
- Noise Isolation (RF) of 120 db common mode, 60 db normal mode.
- Spike attenuation: 250:1 minimum.
- Sine wave output - total harmonic distortion (THD): 3 %
- Units also include a 2nd stage of high frequency filtering on the output - a Hammond Mfg. exclusive.
- Operating temperature range of -40 degrees C to +40 degrees C.
- Standard 3-wire, grounded plug & receptacle.
- Front panel lighted power switch.
- Input (primary) connected to an extra long 15 foot, heavy duty 14/3 SJTW cord for extreme temperature ranges.
- Integral molded, standard North American plug (NEMA 5-15P).
- Output (secondary) connected to a rear mounted, standard North American, grounded receptacle (NEMA 5-15R) - quantity depends on power capacity of unit (see table below).
- Rugged two piece ventilated steel enclosure.
- Finished in a grey/beige color, textured powder paint with rubber feet installed.
- **NOTE 1:** Due to the nature of ferroresonant designs - these units do produce audible noise. We have reduced this through careful design, but these units are NOT usable in an office environment.
- **NOTE 2:** These units provide **complete** isolation from the source voltage. In other words, the "neutral" output wire has no connection to ground, this is a UL requirement for this type of device. Therefore plug-in circuit testers & line "polarity" testing devices will NOT function on the output as it is completely isolated.
- North American Mark of Safety: C UL & UL listed (File #E211544).
- Indoor use only.

### Gallery



**Accessories**

- International Grounded Adaptor Plugs

| Part No.  | VA   | Capacity   | Outlet | Overall Dimensions |       |       | Weight |
|-----------|------|------------|--------|--------------------|-------|-------|--------|
|           |      | Amps (RMS) | Qty    | H                  | W     | D     | Lbs    |
| CV120300  | 300  | 2.5        | 2      | 7.00               | 7.13  | 12.30 | 25.3   |
| CV120600  | 600  | 5          | 4      | 9.00               | 10.13 | 19.50 | 48     |
| CV1201200 | 1200 | 10         | 4      | 9.00               | 10.13 | 19.50 | 74     |
| CV1201800 | 1800 | 15         | 6      | 12.00              | 12.13 | 20.50 | 95     |

*Data subject to change without notice*

© 2019. Hammond Manufacturing Ltd. All rights reserved.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Hammond:](#)

[CV1201800](#) [CV120600](#) [CV120300](#) [CV1201200](#)