



## Copley Controls - DC Servo Amplifiers

# 4212



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The **4212** is a part of the **DC Servo Amplifiers Series** by **Copley Controls**.

## Specifications

<b>Bandwidth In Current Mode:</b>	3kHz with 200uH load	<b>Connectors - Power &amp; Motor:</b>	Phoenix MKDS 3; maximum AWG 12	<b>Continuous Power:</b>	~6A @ ~120V
<b>Load Inductance Range:</b>	200 uH to 40 mH	<b>Mechanical - Size:</b>	4.3 x 3.0 x 1.0 in. (109 x 76.2 x 25.4 mm.)	<b>Operating Temperature Range:</b>	0 to 70 degrees C baseplate temperature
<b>Output Voltage:</b>	~Vout = ~HV* (0.97) - (Ro)*(Io); Ro = 0.1	<b>Peak Power:</b>	~12A @ ~120V	<b>Peak Time:</b>	1 sec unipolar, 2 secs after polarity reversal
<b>Power Requirements:</b>	+22 to +125VDC	<b>Pwm Switching Frequency:</b>	25kHz	<b>Reference Input:</b>	Differential, 94K between inputs, ~20V maximum
<b>Thermal Requirements - Storage Temperature:</b>	-30 to +85 degrees C	<b>Watts @ Icont:</b>	41W	<b>Weight:</b>	0.43 lb (0.2 kg)
<b>Last Verified:</b>	05/23/2025 5:19 PM				

## Contact Us

📍 1620 Old Apex Road, Cary, NC 27513, USA

📞 Toll Free: [1-888-551-3082](tel:1-888-551-3082)

🌐 International: [1-919-443-0207](tel:1-919-443-0207)

📠 Fax: [1-919-867-6204](tel:1-919-867-6204)

✉ Email: [sales@automation-factory.com](mailto:sales@automation-factory.com)

## Shipping Options



## Payment Methods



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