

## CV Series

### Customizable constant voltage ODM amplifiers

2x 125 W @  
Hi-Z/Lo-Z

4x 125 W @  
Hi-Z/Lo-Z

4x 250 W @  
Hi-Z/Lo-Z



CV Series consist of multichannel 1RU rack direct drive constant voltage amplifiers, offering a high degree of customization and fast time to market as a turnkey solution including regulatory certifications.



#### High Power Density & Flexibility

CV Series offers market leading power density with up to 4 x 125 W constant voltage channels from a 1RU half rack format. Both high and low impedance outputs are available from same product, making this a flexible solution covering a very wide range of applications. For the half rack versions 250 W of power can be asymmetrically distributed per pair of output channels (i.e. 200 W + 50 W) enhancing the power flexibility even further.



#### Market Proven Reliability

CV Series are based on Pascal's market proven amplifier designs, which are recognized for high reliability from more than a decade in the pro audio industry.



#### Highly Customizable

For unique ID front plate panel mechanics and silkscreen can be customized. The Series also features manufacturer programmable DIP-switches, allowing for custom functionality and presets to match complementary manufacturers products. For high volume projects, custom designed network and DSP can be offered as a JDM solution.



#### Universal Mains & PFC

Pascal's UREC™ PFC (Power Factor Correction) power supply technology enables universal AC mains operation, eliminating the need for local market specific power regulation products and susceptibility to related reliability issues. The power supply delivers consistent, regulated power worldwide.



#### Turnkey Solution & Certification

CV products are offered as a complete box build including cable, manuals and packaging ready to ship. Rack mounting accessories are also available. Furthermore, it comes with Energy Star, Safety and EMC certifications.



#### Energy Star Compliant

CV Series offer ultra low standby power consumption for EuP2013 and energy star compliance.

# Specifications:

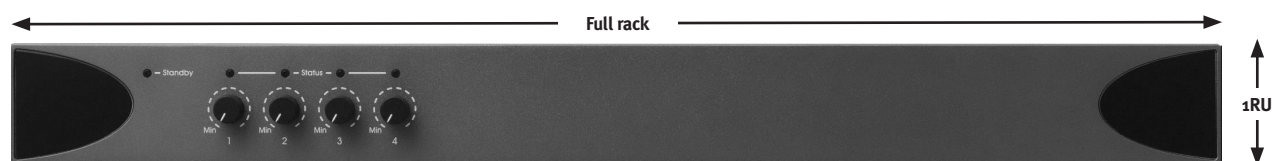
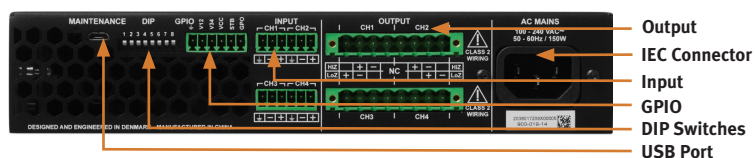
## CV Series



CV125.2



CV125.4



CV250.4

### Power Ratings (1% THD @ 120V<sub>AC</sub> and 230V<sub>AC</sub>)

Model	CV125.2	CV125.4	CV250.4
Number of channels	2	4	4
Output power @ 4Ω/8Ω/70V/100V* All channels driven	125 W		250 W
Output power @ 4Ω/8Ω/70V/100V* Single channel driven	250 W		
Output power @ 16 Ω All channels driven	125 W		
Dimensions, H x W x D	44.5 x 220 x 262 mm (1.75 x 8.66 x 10.31 in)	44.5 x 220 x 337 mm (1.75 x 8.66 x 13.27 in)	44.5 x 440 x 292 mm (1.75 x 17.32 x 11.50 in)
Weight	1.9 kg (4.2 lbs)	2.4 kg (5.3 lbs)	3.6 kg (7.8 lbs)

**Output Circuitry** UMAC™ Class D - full bandwidth PWM modulator with ultra low distortion

**Output Voltage** 70 V<sub>p</sub> / 140 V<sub>pp</sub> (unloaded) / Bridged 140 V<sub>p</sub> / 280 V<sub>pp</sub> (unloaded)

**Signal To Noise-Ratio** > 100 dB (A-weighted, 20 Hz - 20 kHz, 8 Ω load)

**THD+N (typical)** < 0.05 % (20 Hz - 20 kHz, 8 Ω load, 3 dB below rated power)

**Frequency Response** 20 Hz - 20 kHz (+0/-0.25 dB (8 Ω load, 3 dB below rated power)

**Protection Circuits** Short circuit protection, DC protection, under voltage protection, temperature protection, overload protection

**Power Supply** UREC™ universal mains switch mode power supply with Power Factor Correction (PFC) and integral standby converter

**Operation Voltage** Universal Mains, 85-265V

**Standby Consumption** < 0.5 W (Energy Star & ErP 1275/2008/EC compliant)

**Accessories**

- 2x Rack ears
- 1x 1/2 rack plate extension
- 2x 1/2 rack mounting
- 2x Rear supports

\* 90 V RMS

All specifications are typical values