



Go compact, amplify smart

V Series power amplifiers for fixed installation

Designed with commercial applications in mind, V Series models are ideal for small to mid-sized installation scenarios. These compact amplifiers with a total output capacity of 600 watts are not only designed for background music and announcements – they also excel when higher sound pressure levels are needed.

Equipped with a range of cutting-edge Dynacord technologies to ensure flawless, silent operation and energy-saving, flexible power consumption, the V Series features two- and four-channel versions with different footprints. It is possible to mix and match different V Series amplifiers according to project needs, making them a go-to choice for a variety of installations – all at a very attractive price point.

dualCOOL | Silent operation by convection cooling, with additional intelligent fan in case of extreme thermal conditions

powerTANK | Flexible power allocation

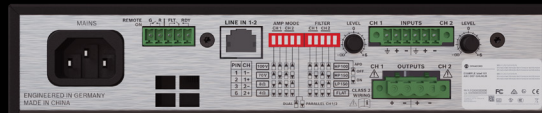


ecoRAIL & APD | Significant reduction of the total power consumption

Variable Load Drive (VLD) | Providing the same power into 4 Ω, 8 Ω, 70 V or 100 V



V600:4 four-channel amplifier – The V600:4 offers easy handling and trouble-free operation in a compact 1RU form factor. Demonstrating exceptional versatility, it is capable to asymmetrically allocate its total power of 600 watts across all channels, adapting dynamically to drive loudspeakers with different power needs. Additionally, both Hi-Z and Low-Z speaker lines can be handled as required. A sophisticated protection package ensures flawless, reliable operation, while an intelligent multi-speed fan can engage in extreme thermal environments.



V600:2 two-channel amplifier – With the same premium features and Dynacord technologies on board as the four-channel model, the V600:2 offers optimal installation flexibility. At just a single rack unit high and half a rack width wide, it offers a multitude of installation options wherever space is limited. The included brackets facilitate single or dual rack-mount options as well as unobtrusive installation wherever needed, such as under counters. Two amplifiers fit in a single rack unit when rack-mounted side by side, efficiently using space and doubling the channel count and output power.

Technical specifications

ELECTRICAL

TOTAL RATED OUTPUT POWER ¹

600 W

NUMBER OF CHANNELS

2

4

RATED OUTPUT POWER ¹

2 x 300 W

4 x 150 W

OUTPUT POWER:

4 Ω / 8 Ω / 70 V / 100 V

MAXIMUM OUTPUT POWER

500 W / 600 W / 500 W / 600 W

PER CHANNEL (POWER SHARING)

4 Ω / 8 Ω / 70 V / 100 V

AMPLIFIER

NOMINAL GAIN (+6 DBU INPUT SENSITIVITY, LEVEL 0 DB)

27.0 dB / 30.0 dB / 33.2 dB / 36.2 dB

24.0 dB / 27.0 dB / 33.2 dB / 36.2 dB

SIGNAL TO NOISE RATIO (A-WEIGHTED, REF. TO RATED OUTPUT POWER, LEVEL 0 DB)

> -100 dB / > 102 dB / > 101 dB / > 103 dB

> -98 dB / > 100 dB / > 101 dB / > 103 dB

THD+N (1/8 RATED OUTPUT POWER, 1 KHZ)

< 0.1 %

CONNECTIVITY

TYPE

1 x 6-pin Euroblock, 3.81 mm, male, parallel 1x RJ45 (AES72-1E)

2 x 6-pin Euroblock, 3.81 mm, male, parallel 1x RJ45 (AES72-1E)

LOUDSPEAKER OUTPUT

2 x 4-pin Euroblock, 5.08 mm, female

CONTROL PORT TYPE

1 x 5-pin Euroblock, 3.81 mm, male

GENERAL

SIGNAL PROCESSING

Input Routing, Filter (24 dB/Oct.), Hi-pass 30/50/100/150 Hz, Lo-pass 150 Hz, Peak Limiter

POWER REQUIREMENTS

100 V to 240 V, 50 Hz to 60 Hz AC

POWER CONSUMPTION:

IDLE MODE (ECORAIL WITH NO INPUT SIGNAL)

< 12 W

< 20 W

CONSUMPTION

AT 1/8 RATED OUTPUT POWER

115 W

STANDBY MODE (APD ACTIVE)

< 1 W

PROTECTIONS

Audio limiters, high temperature, DC, HF, short circuit, back-EMF, peak current limiters, inrush current limiters, mains over/under voltage protection

1. Test signal for max. output power according IHF-A-202 (Dynamic-Headroom, burst 1 kHz / 20 ms on / 480 ms off / low level -20 dB)