



SERIES TWO AMPLIFIERS A1300 AND A2300



A1300



A2300

The Ivie A2300 is a two channel, 150 watt per side amplifier, featuring active balanced inputs and outputs to drive 8 ohm, 25 Volt, and 70 Volt lines. The A1300 is a single channel, 70 Volt, 300 watt amplifier. Both amplifiers are designed for today's high performance installed sound systems. A unique, transformerless output circuit delivers flatter frequency response and lower distortion than conventional commercial amplifiers. Speaker equalization controls are provided behind the front panel. Built-in, adjustable PowerLimit circuits prevent amplifier clipping, limit output level, and protect speakers. Barrier strip inputs and outputs assure reliable connections.

Ivie Technologies has been a leader in sound reinforcement for over twenty years, and legendary Ivie instrumentation has become an industry standard. The A2300 and A1300 bring that same level of Ivie quality and performance to installed sound. All Ivie sound reinforcement products are Made with Pride in America, and are backed by a three year warranty.

FEATURES:

- Front Panel Meters for Output Level
- Built-In Output Limiting
- Active Equalization Controls Behind Front Panel
- Transformerless Audio Circuit
- Modular Construction
- Three Year Warranty
- Turn-On Muting
- DC Power Supply Tap
- Switched AC Convenience Outlet

A1300 AND A2300 AMPLIFIERS



A1300 Spec Briefs

OUTPUT POWER:

Continuous Average Output Power
16 ohms/70 Volt 20-20 KHz 0.1% THD 300 watts

OUTPUT REGULATION:

Less than 0.04 dB, no load to full load (equivalent damping factor, 200)

DISTORTION: (6 ohms or 70 Volt) .01% @ 1 KHz

FREQUENCY RESPONSE:

(16 ohms/70 Volt) -3 dB rolloff @ 60 Hz.

NOISE: -100 dB referred to full output A weighted.

INPUT IMPEDANCE: 10K ohm unbalanced, 20K ohm balanced.

CONTROLS:

Power On/Off and Gain.
EQ controls (behind front panel).
Treble: ± 10 db at 15 KHz.
Bass: ± 10 db at 50 Hz.

INDICATORS:

Front: 1 illuminated output meter.
Rear: 2 clip LED indicators.

CONNECTORS:

Inputs: Barrier strip.
Outputs: Barrier strip.
Switched AC outlet.
Auxiliary ± 15 V power supply (barrier strip).

COOLING: Passive.

PowerLimit™ CIRCUIT:

Adjustable per channel from 8% of rated output to fully out of circuit.

AMPLIFIER PROTECTION:

Turn on/off muting.
Patented short circuit, open circuit, ultrasonic and RF protection (self resetting).
Stable into reactive and mismatched loads.
Inputs protected from overload.
DC fault speaker protection (DC shutdown).
Power transformer and heatsink thermal protection.
Internal amplifier fault fuses.

POWER CONSUMPTION:

115 or 230 VAC, 600 watts.
Switched accessory outlet, 300 watts.
15 Volt power supply, 500 mA.

DIMENSIONS:

5.25" tall (3 rack spaces)
17" wide (19" with optional rack ears)
12" deep.
Note: allow .75" for feet.

WEIGHT: 29 lbs, net., 35 lbs. shipping.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

A2300 Spec Briefs

OUTPUT POWER: (per channel):

Continuous Average Output Power both channels driven.
70 Volt 20-20 KHz 0.1% THD 150 watts
8 ohms/25 Volts 20-20 KHz 0.1% THD 125 watts

OUTPUT REGULATION:

Less than 0.04 dB, no load to full load (equivalent damping factor, 200)

DISTORTION: (8 ohms or 70 Volt) .01% @ 1 KHz

FREQUENCY RESPONSE:

(8 ohms/25 Volt) 20-20 KHz, -1.5 dB.
(70 Volt) -3 dB rolloff @ 60 Hz.

NOISE: -100 dB referred to full output A weighted.

INPUT IMPEDANCE: 10K ohm unbalanced, 20K ohm balanced.

CONTROLS:

Power On/Off and Gain.
EQ controls (behind front panel).
Treble: ± 10 db at 15 KHz.
Bass: ± 10 db at 50 Hz.

INDICATORS: (each channel)

Front: 2 illuminated output meter (zone A, B).
Rear: 2 clip LED indicators (zone A, B).

CONNECTORS:

Inputs: Barrier strip.
Outputs: Barrier strip.
Switched AC outlet.
Auxiliary ± 15 V power supply (barrier strip).

COOLING: Passive.

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Ivie Technologies, Inc.

1605 NW State Street
Lehi, Utah 84043

Phone: (801) 766-7600

Fax: (801) 766-8282

Internet: www.ivie.com

Email: ivie@ivie.com Printed in the U.S.A.