EPA502

Dual-channel Class-D amplifier 2 x 500W

Highlights:

- Lightweight class-D amplifier
- Advanced protection circuit
- Speakon compatible & terminal block output connections
- Energy-star certified
- Standby energy saving mode
- Convection cooled
- XLR input connections with crossover operation mode switch



This energy efficient stereo amplifier will automatically switch to a standby mode when no audio signals are detected (less than 1Watt power consumption in standby mode). Their weight and compact size makes these single rack space amplifiers ideal for both fixed and mobile installations. Their use of Class-D technology ensures excellent efficiency as well as outstanding sound quality. Thanks to the complete passively cooled entity only a minimal of maintenance is needed, while ensuring maximum reliability. Various specific functions and advanced circuitry guarantees an optimal protection against DC malfunctioning, short circuit, overheating and overload. Signal input connections are integrated with balanced XLR connectors, and signal link through is possible using the XLR output connectors. Outputs are connected using terminal block connectors.



Applications:

- Retail
- Public facilities
- Corporate spaces
- Clubs, bars, restaurants
- Events
- Live performances

Certification:

ENERGY STAR

We reserve the right to change specifications without notice, this is part of our policy to continually improve our products.

System specifications:

Frequency	Response (± 3 dB)		20 Hz - 20 kHz
Signal / Noise			> 90 dB
THD+N (@ 1 kHz)			< 0.1%
Crosstalk (@ 1 kHz)			> 70 dB
Technology			Class-D
Power	Supply		Switching mode
			AC Input: 100-120V/220-240V~ 50/60Hz

Note: Standard voltage and frequency of electricity varies from country to country. Please contact your local distributor to ensure suitable product variant voltage and frequency compatibility.

	Consumption		426 W
		Standby	0.7 Watt (30 min standby time)
Inputs	Sensitivity (1W/1m)		0 dB (1V RMS)
	Impedance		12 kΩ balanced
	Connector		XLR female with Male Linkthrough
Protection			DC Short circuit
			Over heating
			Over load
			Signal limiting
Cooling			Convection cooled
Operating temperature			0° ~ 40° @ 95% Humidity
Outputs	Connector		Speakon compatible & 2-pin Euro Terminal Block (5.08 mm)
RMS Power	@ 4 Ω Stereo		2 x 500 W
	@ 8 Ω Bridge		1000 W
	@ 8 Ω Stereo		2 x 300 W

Product Features:

Dimensions	482 x 44 x 330 mm (W x H x D)
Weight	4.700 kg
Mounting	19″
Unit height	1 HE
Construction	Steel
Colours	Black

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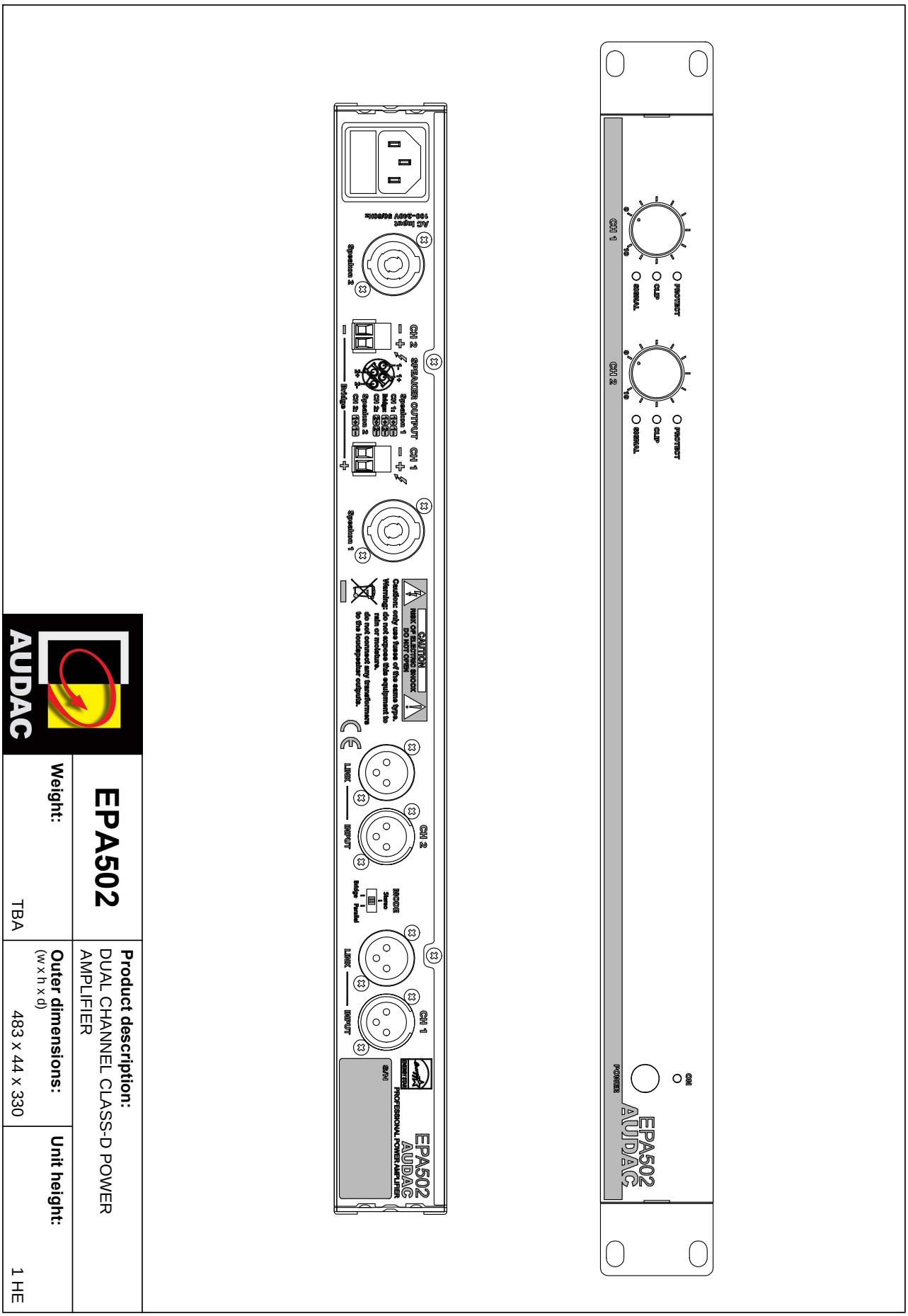
Shipping & Ordering:

Packaging	Cardboard box
Shipping volume	0.028 Cbm

Architects' and Engineers' Specifications:

The amplifier must be an energy efficient and compact dual channel Class-D power amplifier, containing two independent controllable amplifier channels with an output power of 2 x 500 Watt. Bridging the outputs shall be possible, merging the power to 1000 Watt for a single load. The construction must be transformerless using Class-D amplifier technology and powered by a switching power supply. Each channel shall have integrated circuitry to protect against short-circuits or mismatched loads and over-heating. The amplifier must be convection cooled so that maintenance can be kept to a strict minimum.
An automatic signal detection circuit shall be implemented, switching the amplifier to standby mode when no input signal is detected. The energy efficiency levels shall comply with energy-star and other international energy and environmental requirement standards. The front panel shall contain an AC power switch accompanied by a blue power indicator LED and channel operation indicator LED's. A green signal LED's indicates the presence of an input signal and it's level exceeding the -20 dB level, a clip LED indicating the channel operation at maximum level and a protection LED indicating any fault detected shall be provided for each channel.
All connections shall be made on the rear panel of the unit. The signal input connections shall be balanced and performed using XLR connectors, including signal link-through connections. The output connections must be fitted with both Speakon compatible and terminal block connectors.
The amplifier shall operate on a 230-240V AC - 50/60 Hz mains network and shall be equipped with a removable power cord having a standard shuko (CEE 7/7) AC plug. The connector on the amplifier chassis shall be a fused IEC C14 type. The amplifier chassis shall be a single rackspace steel constructed 19" housing. Depth from mounting surface to rear supports shall be 330 mm and the weight shall not exceed 4.7 Kg.

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