

POWER AMPLIFIER

ITEC IDA 4 / IDA 8



Designed and Manufactured by
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ITEC IDA 4 / IDA 8

POWER AMPLIFIERS - SPECIFICATIONS

The IDA amplifier series is ITEC's latest digital amplifier solution, specially designed for use with fixed installations, which thanks to innovative technology represents a highly efficient and therefore particularly energy-saving solution that can also cover a high power density with a small housing size. The built-in Class D modules are characterized by very high efficiency, excellent sound quality and perfect dynamics. The individual channels can be bridged, which results in a high level of flexibility in terms of the desired output power.

- 230 VAC power supply
- Mute and switch off via external contact
- Control LEDs for all signal and operating states
- Monitoring contacts for operation and error messages
- Balanced inputs
- Up to 8 amplifier channels in a 2U 19 inch housing
- Installation depth 325 mm
- All connections with plug-in terminals
- Protection circuits: Automatic switch-off in the event of overtemperature, overload and short circuits
- 4 or 8 amplifier channels
- Bridged or parallel connection possible
- Gain of each channel individually adjustable

8-channel version:



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VARIANTS

IDA 4 and IDA 8 differ in the number of modules that can be used. These modules are completely independent in terms of function and connection terminals. With the IDA 4 either a 4x150W or a 4x750W module can be installed. The IDA 8 has two of these modules.

This results in the following variants:

Designation	Output power
IDA 4-600	4x150W @ 4Ω
IDA 4-3000	4x750W @ 4Ω
IDA 8-1200	8x150W @ 4Ω
IDA 8-3600	4x150W @ 4Ω + 4x750W @ 4Ω
IDA 8-6000	8x750W @ 4Ω

Furthermore, individual channels of the modules can be bridged or operated in parallel.

This allows the following variants to be realized:

	4x150W Module	4x750W Module
1x bridged	2x150W @ 4Ω + 1x300W @ 8Ω	2x750W @ 4Ω + 1x1400W @ 8Ω
2x bridged	2x300W @ 8Ω	2x1400W @ 8Ω
1x parallel	2x150W @ 4Ω + 1x300W @ 2Ω	2x750W @ 4Ω + 1x1400W @ 2Ω
2x parallel	2x300W @ 2Ω	2x1400W @ 2Ω
bridged parallel	1x600W @ 4Ω	1x2400W @ 4Ω

4-channel version:



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DIMENSIONS



SPECIFICATIONS

	Min.	Typ.	Max.
Output power (IDA 4-600)		4x 150W@4Ohm	
Output power (IDA 4-3000)		4x 750W@4Ohm	
Output power (IDA 8-1200)		8x 150W@4Ohm	
Output power (IDA 8-3600)		4x 150W@4Ohm + 4x 750W@4Ohm	
Output power (IDA 8-6000)		8x 750W@4Ohm	
Power supply	85 VAC	100-240 VAC	264 VAC
Power consumption			16 A
Power requirement IDA 4-600			150 W
Power requirement IDA 4-3000			700 W
Power requirement IDA 8-1200			300 W
Power requirement IDA 8-3600			850 W
Power requirement IDA 8-6000			1400 W
Power requirement Standby IDA 4			10 W
Power requirement Standby IDA 8			20 W
Power requirement Off IDA 4			2 W
Power requirement Off IDA 8			4 W
THD + N (from 0.1 W to 50% Load)		< 0.05 %	< 0.1 %
Signal-to-noise ratio (20 Hz – 20 kHz, A-weighted, @ 8 Ω)		> 115 dB	
Input impedance		20 kOhm	
Frequency response	10 Hz	-	30 kHz
Voltage gain	9 dB	29 dB	37,3 dB
GENERAL TECHNICAL SPECIFICATION			
Dimensions (L x H x D)	482 mm x 88,5 mm x 325 mm		
Weight (IDA 4-600)	4,1 kg		
Weight (IDA 4-3000)	4,7 kg		
Weight (IDA 8-1200)	6,1 kg		
Weight (IDA 8-3600)	6,7 kg		
Weight (IDA 8-6000)	7,3 kg		

All information without guarantee. Subject to technical changes.



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