

PA-1250D - PA Amplifier



Powerful and Energy-saving

The mono class D PA power amplifier PA-1250D is part of a new generation of equipment which combines a high power capability with an efficient energy utilisation, thus making an important contribution to climate protection. Furthermore, the user also saves electricity costs. Among other things, this is due to the digital 100V power amplifier providing a considerably higher efficiency of more than 90% compared to analogue units (approx. 70%). Furthermore, the thermal loss is considerably lower. Thus, the cooling requirements will be minimised and the service life of the PA-1250D will be further increased.

Mono class D PA power amplifier,
with an energy-saving effect.

- 1 x 250 W
- Class D concept with a high efficiency of more than 90% to cut energy costs
- Additional integrated energy-saving functions, e.g. device automatically goes to standby mode when no input signal is present (as soon as an input signal is detected, the amplifier is automatically switched on again)
- Requires a significantly lower rechargeable battery capacity for emergency power operation than 100 V analogue amplifiers
- Clearly reduced cooling requirements due to low heat dispersion
- Silent operation due to fanless cooling concept, thus especially suitable for noise-sensitive areas, e.g. offices, conference rooms or churches
- Special protective circuits prevent damage caused by short circuit or overheating
- Extensive, menu-controlled settings
- Switchable 200 Hz high-pass filter, 6 dB/oct.
- Additional priority input
- RS-485 interface
- LCD for the operating parameters
- Mains operation or 24 V emergency power operation

Technical data:

100 V	: 1
Fanless	: 1
Smart Home Ready	: 1
Peak output power	: 350 W
Power rating	: 250 W
Power rating at 2 Ohm	: -
Power rating at 4 Ohm	: -
Power rating at 8 Ohm	: -
Power rating at 16 Ohm	: -
Power rating at 100 V	: 1 x 250 W
Power rating with 4 Ohm	: -
bridged operation	
Power rating with 8 Ohm	: -
bridged operation	
Output impedance	: 100 \hat{A} V/40 \hat{A} Ohm
Channels	: 1
Zones	: -
Inputs	: 1.2 \hat{A} V, bal. (line)
Attenuation factor	: -
Frequency range	: 50-18,000 Hz
Crossover network	: yes
Crossover frequency	: -
Integrated limiter	: -
Equalizer bass	: -
Equalizer midrange	: -
Equalizer treble	: -
S/N ratio	: ? 100 dB(A)
Crosstalk attenuation	: -
THD	: < 0.5%
Phantom power	: -
Mains voltage	: \hat{A} ; 230 V
Mains frequency	: 50 Hz
Power consumption, operation	: 350 VA
Power consumption, standby	: -
Standby current	: -
Operating voltage (possible alternative)	: DC 24 V
Power supply (possible alternative)	: DC 20 A



Admiss. ambient temp.	: 0-40 °C
Width	: 482 mm
Height	: 88 mm
Depth	: 410 mm
Rack units, RU	: 2
Weight	: 7.5 kg
Connections	: screw contacts (inputs) screw contacts (speakers)
Packing dimensions (W x H x L)	: 0.48 x 0.185 x 0.545 m
Gross weight	: 9.53 kg
Net weight	: 7.91 kg