



Reinventing the concept of high-density multichannel power amplifiers, the Power Plant series by SAE Audio represent a step further on system performance for high-end installations and pro-touring audio applications. Featuring the most advanced technology on Class D power-stages, along with an internal modular structure and channel-independent SMPS power supplies, the Power Plant series brings seamless benefits delivering an unprecedented sound performance with an enormous power density reaching up to 14400W* on a single amplifier unit.

Features

- High-end Class D power modules.
- SAE Audio next generation Alu-body design.
- Modular internal amplifier structure.
- Channel-independent Regulated Switched Mode Power Supply (R-SMPS)
- Universal mains AC voltage.
- XLR signal input connectors.
- SpeakON NL4 output connectors.
- Input sensitivity selector on the back panel (32dB / 0.775v).
- Routing mode selector on the back panel (stereo / bridge / parallel).
- Temperature Automatic Gain Control (AGC) selector on the back panel.
- Mains circuit breaker on the back panel.
- Channel independent temperature, protection and clip warning indicators on the front panel.
- Channel independent power and -5dB / -10dB / -15dB / -20dB indicators on the front panel.
- Parallel and bridge indicators on the front panel.
- Ultra-low unit weight.

Technology

High-performance Class D

The Power Plant amplifiers implements the most advanced high-performance Class D amplification technology available to date, delivering unmatched audio specifications and system stability on the high-density multichannel power amplifiers range. This is the reason the Power Plant has the highest dynamic range and the lowest distortion in the pro-audio industry.

Channel-independent R-SMPS

Unlike traditional SMPS power amplifiers the Power Plant series feature an independent Regulated Switched Mode Power Supply (R-SMPS) for each channel on the amplifier providing maximum power stability, power allocation flexibility and a higher system reliability in case of power supply failure related issues.

Universal Mains

The power supply technology integrated in the Power Plant amplifier provides universal mains operation for 120v and 230v, avoiding mains related reliability issues and delivering consistent power world-wide.

Applications

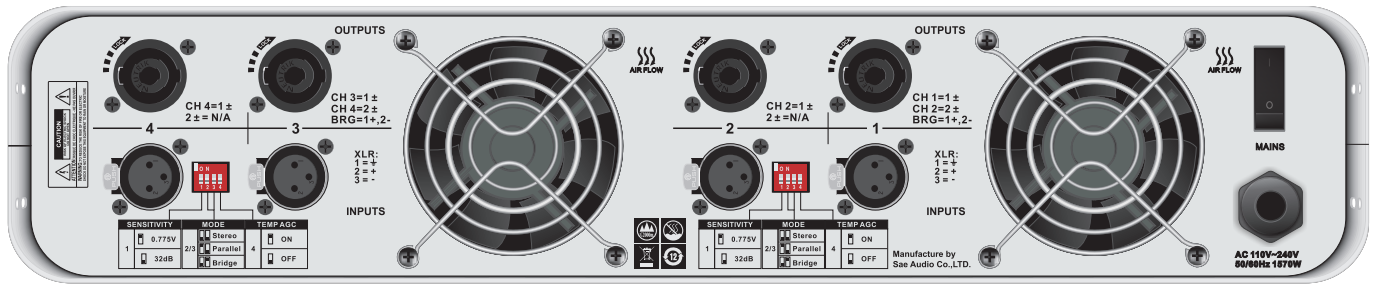
- Sound reinforcement applications with best audio. specifications requirements.
- Multichannel mid-to-big sized installations.
- Mid-to-big pro-touring applications.
- Line array and multi-way speaker systems.
- Professional rental industry.

Alu-body structure

SAE Audio next generation of audio power amplifiers are built into the most advanced ever 19" rack enclosure design. The Alu-Body chassis has been engineered to enhance the device protection, the thermal dissipation performance, and reduce the overall weight. Its curved lateral edges provide a wider surface in order to reduce the pressure applied in case of an impact, and the front and rear panels are protected within the same amplifier cover. Compared to traditional steel amplifier chassis the new full aluminum Alu-body design significantly reduces the amplifier weight, making it much more convenient to transport or install on mobile applications, and increases the thermal dissipation further improving the amplifier power efficiency.

Full Automatic Assembly

SAE Audio electronics production facilities feature the most advanced automatic assembling equipment. All electronic modules on the Power Plant series are completely assembled with automatic electronic insertion lines thus enormously reducing unit malfunction possibilities due to manufacturing errors and achieving the best amplifier reliability.

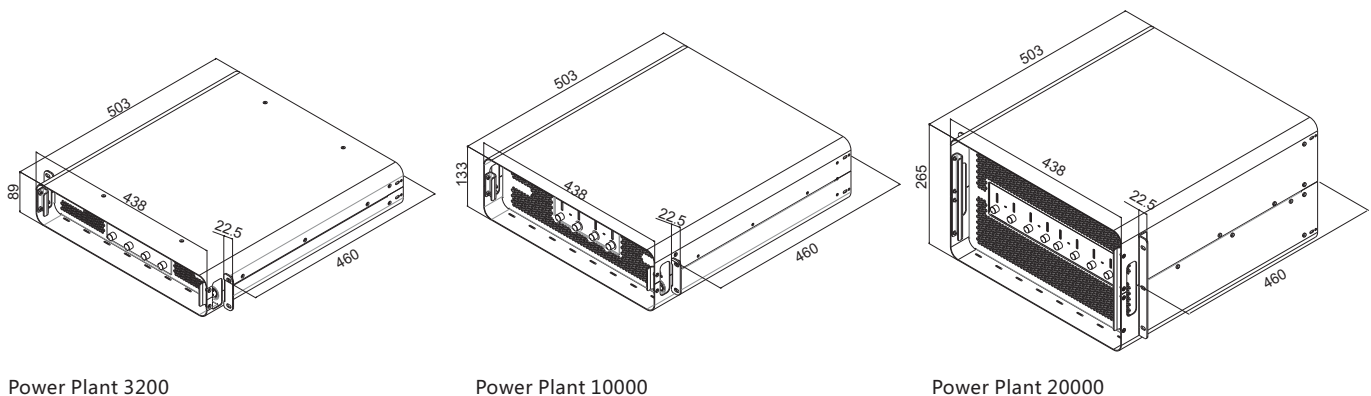


Power Plant 3200 rear panel

Specifications

Model	Power Plant 3200	Power Plant 10000	Power Plant 20000
Output power (AC 220v / 50Hz. ±10%, All channels driven output power, THD=1%)			
8Ω Stereo*	400W x4	1500W x4	1500W x8
4Ω Stereo*	750W x4	1800W x4	1800W x8
8Ω Bridge*	1200W x2	---	---
4Ω Bridge*	1400W x2	---	---
Other specification			
Frequency response	20Hz - 20kHz , +0/-0.5dB	20Hz - 20kHz , +0/-0.5dB	20Hz - 20kHz , +0/-0.5dB
THD+N	≤ 0.03%	≤ 0.03%	≤ 0.03%
S/N rate	≥ 100dB	≥ 85dB	≥ 85dB
Damping factor	≥ 300	≥ 300	≥ 300
Input sensitivity	0.775v / 32dB	0.775v / 32dB	0.775v / 32dB
Input impedance (bal/unbal)	20kΩ / 10kΩ	20kΩ / 10kΩ	20kΩ / 10kΩ
Voltage gain	32.3dB	43dB	43dB
Cooling	Air flow from front to rear	Air flow from front to rear	Air flow from front to rear
Dimension / Weight			
Product dimensions (mm)	438 x 503 x 89	438 x 503 x 133	438 x 503 x 265
Packing dimensions (mm)	545 x 590 x 180	545 x 610 x 220	545 x 610 x 390
Weight	13.2kg	20.1kg	37.2kg

Dimension (mm)



*Power tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

SAE reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.