



OVATION MA/SA 8.3 S

Mono und Stereo Power Amplifier

Productinformation



Handcrafted in Germany

OVATION MA 8.3 S at a Glance

- Most powerful mono power amplifier with up to 1200W Class A/AB output
- Two power amplifier stages connected in a push-pull configuration (bridge mode)
- New anode-follower tube stage at the input for an ultra-wideband frequency response.
- NEW: Dual differential input stage
- 1 RCA and 1 XLR input
- 2 powerful low-radiation toroidal transformers, each rated at 1000VA – dedicated separately to each amplifier stage
- Total of 48 high-performance MOSFETs (per MA 8.3 S)
- Total filtering capacitance of 270,000µF (per MA 8.3 S)
- Complete DC coupling throughout the entire analog signal path
- Automatic offset compensation
- Current-source-stabilized output stages
- Dimmable OLED graphic display
- Minimal standby power consumption
- 5–20V DC trigger input, AIR Trigger (AVM Intelligent Remote)
- Packaging: flight case for safe transport
- Dimensions: 43 cm width, 44 cm depth, 25 cm height
- Available finishes: brushed aluminum in silver or black, or CELLINI version with chrome front panel (additional charge); other versions available on request

OVATION SA 8.3 S at a Glance

- Stereo power amplifier with 400W Class A/AB per channel
- New anode-follower tube stage at the input for an ultra-wideband frequency response.
- NEW: Dual differential input stage
- RCA and XLR inputs
- 2 powerful low-radiation toroidal transformers, each rated at 1000VA, for perfect left/right channel separation
- 24 high-performance MOSFETs per channel
- Total filtering capacitance of 270,000µF across the entire channel
- Complete DC coupling throughout the entire analog signal path
- Automatic offset compensation
- Current-source-stabilized output stages
- Dimmable OLED graphic display
- Minimal standby power consumption
- 5–20V DC trigger input, AIR Trigger (AVM Intelligent Remote)
- Packaging: flight case for safe transport
- Dimensions: 43 cm width, 44 cm depth, 25 cm height
- Available finishes: brushed aluminum in silver or black, or CELLINI version with chrome front panel (additional charge); other versions available on request

OVATION MA 8.3 S and SA 8.3 S

Power, control, and musical authority at reference level

With the OVATION MA 8.3 S mono power amplifiers and the OVATION SA 8.3 S stereo power amplifier, AVM continues its long-standing tradition of building exceptional amplifiers at the very highest level. These amplifiers embody everything that has defined AVM for decades: passionate musicality, uncompromising engineering, and meticulous craftsmanship. We proudly call them AVM Masterpieces – products created for music lovers who seek not only performance, but also emotional depth, expansive spatial presentation, and a level of reproduction that remains effortlessly natural even under the highest demands.

The MA 8.3 S and SA 8.3 S are far more than extraordinary power amplifiers. They are powerful, authoritative instruments designed to drive demanding loudspeakers with absolute confidence and to create truly unforgettable musical experiences. The mission of our amplifiers is to unleash music with complete authority, calmness, and naturalness – regardless of genre or listening level. Whether reproducing the finest chamber music, intimate vocals, electronic low-frequency impulses, or the full dynamic scale of a large orchestra, these amplifiers remain effortlessly in control at all times, creating an impressively open, stable, and emotional soundstage – almost as if we were sitting in the front row of a live performance.

What is the technical foundation behind this performance?

At the heart of the MA 8.3 S lies an extremely powerful Class A/AB architecture delivering up to 1,200 watts per mono amplifier. Two powerful low-radiation toroidal transformers, each rated at 1,000 VA, provide the output stages with enormous energy reserves. Combined with 48 (MA 8.3 S) or 24 (SA 8.3 S) carefully selected high-performance MOSFETs per channel, this amplifier platform drives even impedance-critical loudspeakers with complete composure. The SA 8.3 S transfers the philosophy of the mono MA 8.3 S into a no-compromise stereo power amplifier, offering the ideal solution for high-end systems where maximum sound quality is desired within a somewhat more compact system architecture.

The elaborate power supply design is a decisive factor in this sonic authority. The massive transformers, specially manufactured for AVM, the ultra-short power delivery paths to the amplifier stages, and the enormous filtering capacitance of the output stage ensure exceptional impulse stability and remarkably stable playback performance. Music unfolds completely effortlessly and exactly as the artists intended. Bass impulses arrive with power and precision, voices remain tangible and natural, and the finest details emerge effortlessly from a deep black background.

40 years of experience matter: amplifier design is AVM's supreme discipline.

The signal path follows a consistently audiophile philosophy. The entire analog section is fully DC-coupled, eliminating sound-degrading coupling capacitors from the signal path and allowing the music signal to be processed with exceptional directness and speed. At the same time, automatic offset compensation ensures the necessary operational stability and reliability. Dual differential input stages and current-source-stabilized output stages form the basis for extremely precise, low-noise, and highly controlled amplification.

A Special AVM Circuit Design

One of the defining features of the large AVM OVATION S power amplifiers is the tube input stage. It gives the signal the uniquely refined musical sweetness for which AVM tube circuits have been appreciated for many years. In the OVATION S generation, this philosophy has been further refined based on our decades of experience: the new tube stage operates without high-voltage potential (technical term: cathode follower circuit), combining the emotional sonic character of tube-based amplification with high operational reliability and modern circuit technology. The result is a sonic presentation that never mistakes power for harshness or resolution for analytical sterility. The MA 8.3 S and SA 8.3 S sound is transparent, expansive, and finely detailed – always fluidly musical, physically tangible, and completely relaxed.

NOTE: “The tubes last almost forever.”

The output stages are designed for maximum current output capability and perfect control. Massive internal terminal wiring carries the generated power to the proprietary AVM speaker terminals via the shortest and lowest-loss path possible. Details like these are typical of AVM: no single superlative determines the final result – rather, it is the consistent coordination of all assemblies as a complete system.

To ensure exceptionally clean operating conditions, the amplifiers feature integrated power filtering across all relevant voltage ranges (120–240V). Sensitive circuitry is thereby effectively protected from interference. Especially in amplifiers of this performance class, a stable and clean internal power supply is essential for silence, dynamics, and long-term stability. As a result, the MA 8.3 S and SA 8.3 S remain completely effortless even during the reproduction of highly complex musical passages.

Despite their impressive technical substance, operation remains elegant and intuitive. A dimmable OLED graphic display provides information about operating status and current power output while integrating harmoniously into the symmetrical design language of the OVATION series. Trigger functions allow seamless integration into sophisticated AVM systems or complex installation environments. At the same time, great attention has been paid to minimal standby power consumption, combining enormous technical capability with modern everyday practicality.

Externally as well, the MA 8.3 S and SA 8.3 S clearly demonstrate their position within the AVM reference class. The massive aluminum chassis, measuring 43 cm wide, 44 cm deep, and 25 cm high, radiates the precision and quality of the internal engineering to the outside world. Brushed surfaces, clean lines, and outstanding craftsmanship make these amplifiers visible statements within any listening room. They are available in brushed aluminum silver or black, as well as in the particularly exclusive CELLINI version with chrome front panel. Custom finishes are available upon request and are always welcome in our manufactory.

OVATION MA 8.3 S & SA 8.3 S

Mono and Stereo Power Amplifier

For safe transportation, the amplifiers are delivered in premium flight cases. From the very moment of unboxing, it becomes clear: these are not mass-produced devices, but highly sophisticated manufactory-built amplifiers created for truly exceptional systems.

The OVATION MA 8.3 S is the uncompromising choice for those seeking maximum power, maximum channel separation, and absolute control. The OVATION SA 8.3 S offers the same grand AVM sonic philosophy in the form of a commanding stereo power amplifier for the most demanding high-end systems. Both models represent a rare combination of strength and finesse, technical rigor and emotional musicality.

OVATION MA 8.3 S and SA 8.3 S – built not merely to drive loudspeakers, but to unleash their full potential.

Handcrafted in Germany – since 1986.

Technical Specifications MA 8.3 S

5.1.1 Amplifier

Input sensitivity	(8 Ω)	1,35V (XLR or RCA)
Input sensitivity	(4 Ω)	1,32V (XLR or RCA)
High-Level Input Impedance Cinch		22 kΩ
High-Level Input Impedance XLR		45 kΩ
Distortion (THD) (25 W / 4 Ω)		< -78dB
Signal-to-noise ratio (25 W / 4 Ω)		97 dB(A)
Input Sensitivity (25 W / 4 Ω)		330 mV
Noise		< 180μV / -75dBV
Frequency response		DC - > 100 kHz
TDH (25 W/4 Ohm)		< 0,01%
Damping Factor		>> 200

5.1.2 General

Power Supply	230V / 50 Hz, 120 / 60 Hz
Powerconsumption max.	2500 W
Standby Consumption	< 0,5 W
Dimensions (B x H x T)	430 x 250 x 420 mm
Weight	49 kg
Warranty	2 + 2 years (with online registration, may vary in sales territories)

Technical Specifications SA 8.3 S

5.1.3 Amplifier

Input sensitivity	(8 Ω)	1,35V (XLR or RCA)
Input sensitivity	(4 Ω)	1,32V (XLR or RCA)
High-Level Input Impedance Cinch		22 kΩ
High-Level Input Impedance XLR		45 kΩ
Distortion (THD) (25 W / 4 Ω)		< -78dB
Signal-to-noise ratio (25 W / 4 Ω)		97 dB(A)
Input Sensitivity (25 W / 4 Ω)		330 mV
Noise		< 180μV / -75dBV
Frequency response		DC - > 100 kHz
TDH (25 W/4 Ohm)		< 0,01%
Damping Factor		>> 200

5.1.4 General

Power Supply	230V / 50 Hz, 120 / 60 Hz
Powerconsumption max.	2500 W
Standby Consumption	< 0,5 W
Dimensions (B x H x T)	430 x 250 x 420 mm
Weight	49 kg
Warranty	2 + 2 years (with online registration, may vary in sales territories)

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'Making-Of' Video