



OVATION-LINE  
SA 8.3 LITE  
Productinformation



*Handcrafted in Germany*

### The OVATION SA 8.3 LITE in short:

- SA 8.3 LITE Class A/B integrated amplifier with exquisite transistor technology
- 225 watts / 8Ω, 350 watts / 4Ω, 500 watts / 2 Ω
- Ultra-stable AVM speaker terminals
- Identical MOSFET high-current power amplifier from the MA 8.3 power amplifier: 24 MOSFETs transistors per channel deliver max. 60 amps
- High level inputs: 1 x XLR + 1 x RCA
- Signal-sensitive inputs can be activated in the menu
- Extensive menu functions
- Power amplifier supply with 1000 VA toroidal transformer
- 2 separate power supplies: Main power supply and NT for processor unit.
- Analogue fully balanced input stages, fully DC-coupled
- Consistent double mono design eliminates mutual interference between the channels
- 1 x Trigger In (5-20 V DC), 1x Trigger Out (12V DC)
- Large, illuminated white graphic display
- Housing variants: Aluminium silver or black, chrome front optional
- Packaging: sturdy flight case
- Dimensions (WxHxD): 430 mm x 260 mm x 420 mm
- Weight: approx. 35 kg (plus flight case)

### History and device concept SA 8.3 LITE

We have been using MOSFET transistors in the design and construction of our power amplifiers since AVM was founded in 1986. This long tradition is based on the fact that we use this technology to realise our sonic line in the power amplifiers: Powerful in sound, fine in detail, musical and never annoying. This AVM sound is now also reflected in the newly designed power amplifier.

The new revised SA 8.3 LITE of the Ovation Line is based on the concept of our flagship power amplifiers of the .3 generation. These concepts are combined with the tried and tested circuits of the 8.3 generation. The new SA 8.3 LITE is a pure transistor-based stereo power amplifier with ample power reserves.

What's new? What is traditional?

The SA 8.3 LITE largely utilises the structural and housing parts of the current .3 generation, creating an outward resemblance to our current large Ovation Line power amplifiers. The circuits of the SA 8.3 LITE combine the current Ovation Line circuit concepts with those of the famous predecessor models.

The SA 8.3 LITE works with a purely transistor-based input stage (balanced and unbalanced). Here, strictly selected components are used and the pure sound is processed for the power amplifier section.

A new feature is the high-contrast display configuration, which provides information about the outgoing power and has numerous setting options. The device can be switched on and off using the power button (permanently) or remotely. The automatic mode can be set to signal detection, remote or trigger input. The power displays can be varied between bars and numerical values. The display can be dimmed (100%, 75%, 50%, 25%), also by remote control.

The display button on the device can be used to switch off the display completely. The Auto Power Down function (20-minute switch-off) can be deactivated for use in continuous operation.

The power supply unit of the SA 8.3 LITE is based on a 1000VA main transformer and supports the operating voltages of the output stages with its 136,000 $\mu$ F capacitors per channel as a power reserve. These energy storage units are made from AVM capacitors specially manufactured for us and supply them with up to  $\pm 65$  V and are integrated directly into the output stages. This efficiently avoids losses. Pulse peaks of over 450 W (8  $\Omega$ ) or 900 W (4  $\Omega$ ) are thus possible.

The SA 8.3 LITE power amplifiers deliver almost any desired power to the in-house AVM loudspeaker terminals, the connection panel is recessed into the rear panel and moulded into a practical carrying handle recess.

The input circuits of the SA 8.3 LITE are balanced, utilising common mode rejection to pass the signal symmetrically to the driver stages. A balanced XLR connection (Neutrik) and an optional RCA connection with solid gold-plated copper sockets are available as connection options.

The SA 8.2 LITE arrives in a stylish flight case and the warranty period can be extended to 4 years upon registration. Standard versions: Silver or black anodised. On request, the power amplifier is available in the CELLINI version with chrome-plated and hand-polished fronts (surcharge).

## Technical data SA 8.3 LITE

### Amplifier

Input sensitivity (8 Ω)	1,35V (XLR or RCA)
Input sensitivity (4 Ω)	1,32V (XLR or RCA)

Input impedance high level Cinch	22 kΩ
Input impedance high level XLR	45 kΩ

Maximum output power (8 Ω)	225 Watt
Maximum output power (4 Ω)	350 Watt
Maximum output power (2 Ω)	500 Watt

Distortions (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
Distortion factor (25 W/4 Ohm)	< 0,01%
Damping factor	>> 200

### Allgemeines

Supply	230V / 50 Hz, 120 / 60 Hz
Power consumption max.	1000 W
Standby consumption	< 0,5 W
Dimensions (W x H x D)	430 x 250 x 420 mm
Weight	22 kg
Warrenty	2 years (+2 years with registration)

