

S-AMP 10.0Q

4-channel high-performance power amplifier



- ✓ RENTAL
- ✓ INSTALLATIONS

4
CHANNELS

Class D
WITH ACTIVE
DISTORTION
COMPENSATION

PFC

LLC
HALF-BRIDGE
INVERTOR

Features

- Class D with active distortion compensation
- The most accurate sound reproduction account of less deep feedback
- No noticeable thermal distortion when playing low frequencies
- Full control of the speaker cone due to extremely low output impedance
- No need to use Zobel chains, and since the feedback is taken directly from the output, distortion and non-linearities are corrected, which are included in the signal
- Switching power supply with active power factor corrector (PFC), so the efficiency can reach 96%
- The power supply is based on an LLC resonant half-bridge converter topology. Rectangular structures typical of capacitor circuits are converted into sine waves, greatly improving efficiency

Compatibility

- Line arrays
- Full Range Speakers
- Subwoofers

Application

- Stadiums and Sports Arenas
- Concert Halls & Clubs
- Bars and Restaurants
- Malls and shops
- Amusement parks
- Theme parks
- City parks and squares
- Educational institutions
- Open air events

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Specifications

Number of output channels	4
Maximum output voltage per channel	141V
Maximum output current per channel	53A
Circuit design	Class D with active distortion compensation
Output power according CEA-2006 / 490A (1% THD, 1 kHz)	2,66 Ohm 4 Ohm 8 Ohm 16 Ohm
One channel RMS (Maximum Sinusoidal Power)	3260 W 2600 W 1300 W 650 W
Sound characteristics	
THD + N at 1 kHz and 1 dB below clipping	<0,05%
Signal-to-noise ratio	>102,8dB
Damping factor (4 hms, 20Hz - 20kHz)	>500
Frequency response (1W, 8 Ohms)	20Hz - 20kHz (+/- 0,5 dB)
Gain	
Gain	37 dB
Rear panel interfaces	
Input connector	3-pin XLR, balanced
Output connector	SpeakON 4-pin - 4pcs.
Cooling	Two low-noise axial fans with temperature controlled speed
Mains power	
Operating voltage, V 220 V 16A	140 - 250V (50-60Hz)
Maximum power consumption	3600 Bt
Weight and dimensions	
Dimensions (WxHxD)	482x88x460 mm
Weight	12 kg