

PSSO QCA-10000 4-Channel SMPS Amplifier

Class I stereo PA amplifier with SMPS, 4 x 2500 W RMS (2 ohms), 4 x 2100 W RMS (4 ohms)

Art. No.: 10451697

GTIN: 4026397513370



Description:

4-channel PA Amplifiers with Integrated SMPS

The 4-channel PA amplifiers of the QCA series offer ultra-high output power paired with a low weight and small overall height. The amplifiers use a patented second-generation Class I output circuitry which combines the high efficiency of Class D and the sound quality of Class A. Featuring a modern switch-mode power supply, the amplifiers provide up to 10 kW peak power and weigh less than 16 kg. This makes the series particularly attractive for mobile applications. The amplifiers can be used flexibly in stereo operation, parallel operation or in mono bridge operation. Extensive protective circuits will protect the amplifiers and the speakers connected.

Features:

- 4-channel PA amplifier with class I circuitry
- 4 x 2100 W/4 ohms
- Low weight and height due to integrated switch mode power supply
- Reliable power amp with high impulse stability for a wide range of applications (e.g. compact PAs, multi-way PAs, concerts)
- 3 operating modes can be selected (stereo, parallel or bridged)
- 4 level controls for precise level adjustment
- Input sensitivity adjustable
- LED VU meter and LEDs for activated protective circuit (protect), overload (clip), and signal per channel
- Speaker switch-on delay
- Complete protection set against short-circuit, overheat, clipping, overload, DC voltage and VHF signals
- Electronically balanced inputs via XLR mounting jacks, with XLR feed-through outputs
- Speaker outputs via lockable speaker jacks

Logistic

EAN / GTIN: 4026397513370

Weight: 15,80 kg

Length: 0.59 m

Width: 0.56 m

Height: 0.17 m

- Rugged steel chassis with aluminum front panel
- Rack installation, 2 U
- Neutrik Speakon outputs
- (19") 48.3 cm rack installation 2 U
- Highly efficient air flow from front to rear
- The device is cooled by temperature-controlled fan
- Built with NEUTRIK connector

Technical specifications:

Power supply:	230 V AC, 50 Hz
Power consumption:	1150 W 1/8 power
Output power:	4 x 2500 W RMS (2 ohms) 4 x 2100 W RMS (4 ohms) 4 x 1300 W RMS (8 ohms) 2 x 5000 W RMS bridged (4 ohms) 2 x 4200 W RMS bridged (8 ohms)
Power connection:	Fixed power supply cord with safety plug
Frequency range:	20 - 20000 Hz
S/N ratio:	>80 dB
THD:	<0.05 % at 1 kHz
Cooling:	2 x temperature-controlled fan , air flow from front to rear
Impedance:	Input: 10 kOhm , unbal. Input: 20 kOhm , bal.
Gain:	40.3 dB/ 0.775 V 38 dB/ 1.0 V 35.1 dB/ 1.4 V
Circuitry:	Class I
Slew rate:	>10 V/ μ s
Damping factor:	>800
Crosstalk:	>65 dB
Control elements:	Power switch, level control per channel, mode switch (stereo/parallel/bridged), Input sensitivity switch
Controls:	Overheat; overload; short-circuit; softstart; DC voltage; VHF
Status LED:	Power, level meter, clip, protect
Connections:	Input: line via 4 x 3-pin XLR (F) mounting version Output: line via 4 x 3-pin XLR (M) mounting version Output: speaker via 4 x 4-pol SpeakON mounting version (F)
Input sensitivity:	0.775 V; 1.0 V; 1.4 V , switchable; 26 dB; 32 dB; 38 dB , switchable
Use of brands:	Built with NEUTRIK connector
Housing design:	(19") 48.3 cm rack installation 2 U
Dimensions:	Width: 48.3 cm Depth: 44.5 cm Height: 8.9 cm
Weight:	13.90 kg

Scope of delivery:

1 x user manual
1 x amplifier
1 x cover
4 x foot