

## 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)<br>4 x 2100 W RMS (4 ohms)<br>4 x 1300 W RMS (8 ohms)<br>2 x 5000 W RMS bridged (4 ohms)<br>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.<br>Input: 20 kOhm , bal.                                                                                                                        |
| Gain:              | 40.3 dB/ 0.775 V<br>38 dB/ 1.0 V<br>35.1 dB/ 1.4 V                                                                                                                      |
| Circuitry:         | Class I                                                                                                                                                                 |
| Slew rate:         | >10 V/μs                                                                                                                                                                |
| 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<br>Output: line via 4 x 3-pin XLR (M) mounting version<br>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<br>Depth: 44.5 cm<br>Height: 8.9 cm                                                                                                                      |
| Weight:            | 13.90 kg                                                                                                                                                                |

## Scope of delivery:

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