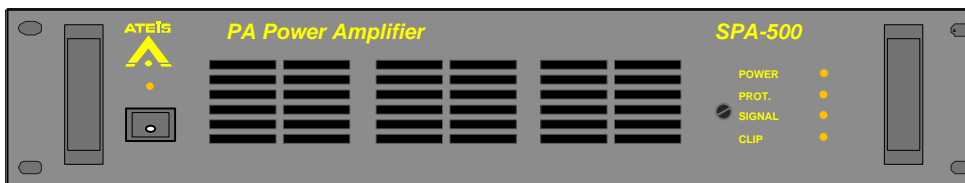


SPA

SINEWAVE POWER AMPLIFIERS



MAIN CHARACTERISTICS

- 2 audio outputs (100/70 / 8 Ohm outputs selectable)
- Supervision of amplifiers using DIVA or IDA8 Controllers
- Advanced audio processing for each amplifier channel using DIVA8 or IDA8 systems
- Amplifier supervision and spare amplifier switching through DIVA8 or IDA8 systems
- Loudspeaker line and loudspeaker supervision through DIVA8 or IDA8 systems

CONROLS & INDICATORS

- Status Indicator for Power, Protection, Signal & Clip
- Potentiometer for Gain adjustment
- Front Chasis Mains Switch for Power

INTERCONNECTIONS

Rear

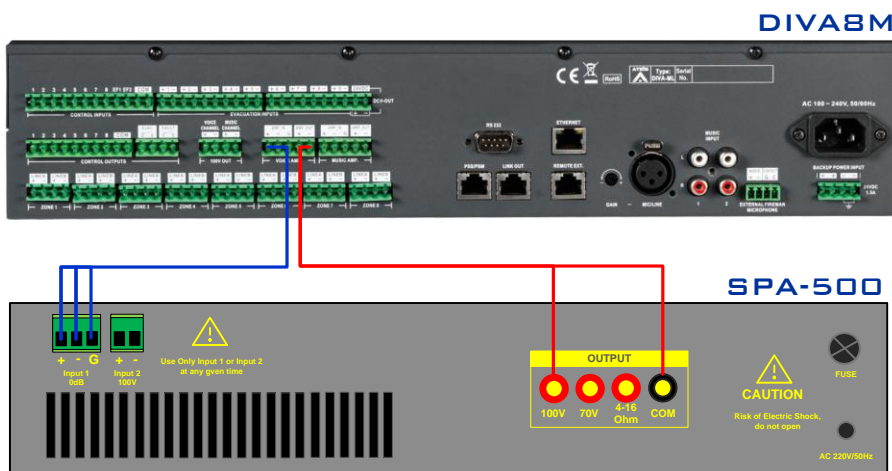
- Mains Input
- Fuse
- 100V, 70V, 16-80hm Outputs
- Input 1 0dB Line Level Audio
- Input 2 100V Audio (for connecting as Booster Amplifier)

****ATEİS reserve the right to change specifications without notice

There are two types of Power amplifier units in the SPA-PAVA product range. The overall power rating is 500W &/or 300W watts. The power amplifiers can be set to 100 V, 70 V and 16-4 Ohm output tapings. They have short-to-ground, short-circuit detection and line-impedance surveillance up to 5% deviation using the DIVA8 and IDA8 range of products for loudspeaker-line surveillance.

FUNCTIONS

The power amplifiers receive line-level input signals from the DIVA8 and IDA8 controllers and slaves. The display shows the VU-meter reading, when the EN54-16 default switch is inhibited.



SPA

SINEWAVE POWER AMPLIFIERS

PARTS INCLUDED

Quantities	Components
1	SPA-X00 Power Amplifier
1	Power Cord
1	User Manual

TECHNICAL SPECIFICATIONS

Electrical

Mains Power Supply

Voltage	230 VAC ±10% , 50/60 Hz
Power consumption**	standby - idle* - Pmax
SPA-300	28 W – 150 W – 322 W
SPA-500	64 W – 287 W – 655 W

* Idle: Measured with 10 Volt surveillance tone on the output

** (Total Mains-power consumption)

Line Inputs

Input 1 0dB

Connector	3 Pin Pheonix Screw Type (+, - & G)
Frequency response	+/-3 dB @ 40 Hz and 20 kHz
S/N Ration	>90 dBA
THD	<2% @1kHz
Input Range	-6 dBV to 6 dBV / 770mV
Input Impedance	20kOhm

Input 2 100V

Connector	2 Pin Pheonix Screw Type (+ & -)
Frequency response	+/-3 dB @ 100 Hz and 20 kHz
S/N Ration	>90 dBA
THD	<2% @1kHz

Loudspeaker Outputs SPA-500

Rated Load Resistance	20 ohm (100 V); 40 ohm (70 V)
Rated Load Capacitance	250 nF (100 V); 500 nF (70 V)
Rated Output	500W (cont. at 40°C)

Loudspeaker Outputs SPA-300

Rated Load Resistance	33 ohm (100 V); 66 ohm (70 V)
Rated Load Capacitance	125 nF (100 V); 250 nF (70 V)
Rated Output	300W (cont. at 40°C)

****ATEIS reserve the right to change specifications without notice

Frequency Response	20 Hz to 20 kHz
S/N	>80dB
Rated Output	300W (cont. at 40°C)
Distortion	<0.5%

Mechanical

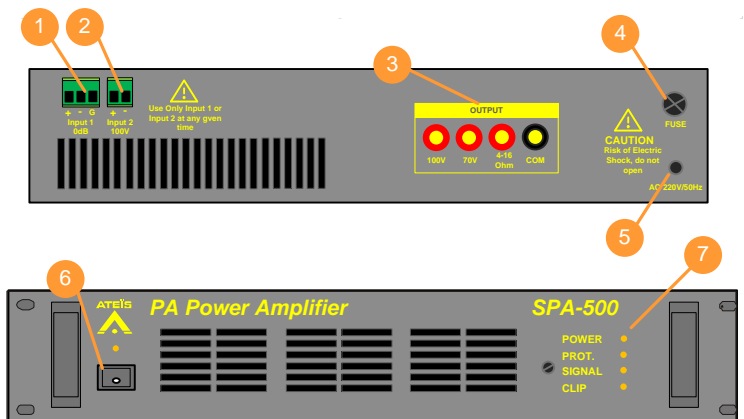
Dimensions (HxWxD) mm	435 x 390 x 90
19" Rack Space	1U
Net Weight	
SPA-500	18kg
SPA-300	13kg
Gross Weight	
SPA-500	19kg
SPA-300	14kg
Color	Grey RAL7016

Environmental

Operating temperature	-5 °C to +55 °C (+23 °F to +131 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative Humidity	15% to 90%
Air Pressure	600 to 1100 h Pa

Ordering Information

SPA-500	500W Audio Amplifier
SPA-300	300W Audio Amplifier



1	Audio Input 1 0dB Line Level
2	Audio Input 2 100V
3	Audio Output 100V, 70V, 16-40hm
4	Fuse
5	220VAC/50Hz Mains Power
6	Mains Power ON/OFF Switch
7	LED Indicators: Power, Prot., Signal, Clip

