SLA-P-1300 Power Amplifier

Single channel

The output voltage ranges from -20V to 130V

The maximum output current is 10Ap

Bandwidth (-3dB) DC to 20kHz

Slew rate ⩾11.5V/μs

Overview

SLA-P-1300 is an ideal single-channel power amplifier for amplifying AC-DC signals. With a maximum output power of 1300Wp, it can drive piezoelectric brake products such as piezoelectric ceramic plates, stacked piezoelectric ceramics, open-loop packaged piezoelectric ceramics and nano-positioning table. The voltage gain can be adjusted, and the common Settings can be saved with one key, providing a convenient and simple choice of operation. It can be used with the mainstream signal generator to achieve perfect signal amplification.

LCD Panels Display

Operation panel LCD display, device status and parameters dynamic display, interactive interface at a glance, simple and easy to understand.

Input

The input is BNC interface. Input resistance 10KΩ.

Voltage Gain

The voltage gain is adjustable from 0 to 50 times, which can be divided into coarse adjustment (1step) and fine adjustment (0.1step). Combined with the display of the LCD panel gain, the voltage can be quickly adjusted to the required value.

Output

Output banana socket, the maximum output voltage -20V~130V, the maximum output current 10Ap.

Monitor

Output current monitor: 250mV/A

Output voltage monitor: 50mV/V

The output monitoring port is BNC connector, which can be directly connected to the oscilloscope

Real-time monitoring.

Specifications

Model	SLA-P-1300
Channel	1
Form of output	Single output
Bandwidth（-3dB)	DC~20kHz
Maximum output voltage	-20V~130V
Maximum output current	5Ap（DC~50Hz)
	10Ap（>50Hz)
Maximum output power	1300Wp
Fuse	15A/250V
Voltage gain	x0~50（0.1 step/1 step)
Upper limit of load R_L	≥25.75Ω（DC~50Hz)
	≥12.75Ω（>50Hz)
Slew rate	≥11.5V/μs
Output resistance	0.25Ω
Input resistance	10kΩ
Voltage monitor	50mV/V
Current monitor	250mV/A
Output voltage error	≤±3%FS@1kHz
Total harmonic distortion (THD)	≤0.5%@1kHz，90Vp-p
Zero-point drift of output voltage	≤±0.3V
Output connector	4mm banana socket
Protection	Over current protection, over voltage protection, over temperature protection
Signal ground	Connected with the grounding of the shell and the power line.

Other

Supply voltage	AC110~240V，50/60Hz
Operating temperature	0°C ~ 45°C
Storage temperature	-20°C ~ 50°C
Humidity	≤80% RH，no condensation
Warranty	3 years
Size	440*163*565mm (w * h * d)

Order

Model	**SLA-P-1300 Power Amplifier**
Parameters	DC~20kHz (-3dB)　-20V~130V
Accessories	*1 three-core power cord, *3 BNC wires, *1 set of output wires, *1 safety tube, 1 copy of product specification, certificate of conformity, packing list and factory test report.
Contact	sales@salukitec.com