

SLA-30-810 Power Amplifier

Maximum output voltage 90Vp-p(± 45 Vp)

Maximum output current 18Ap

Bandwidth (-3dB) DC~30kHz

Slew rate ≥ 6 V/ μ s



Overview

The SLA-30-810 is an ideal power amplifier for amplifying AC and DC signals. Maximum output 810Wp power, can drive power type load. The gain control can be adjusted, and the common Settings can be saved with one key, providing you with a convenient and simple choice of operation. It can be used with the mainstream signal generator to achieve perfect signal amplification.

Input

The input is BNC interface. Input waveform amplitude 0~10Vp-pMAX; Input resistance 50 Ω , 10K Ω two optional, perfect match high and low internal resistance signal source.

Output

Output banana socket, the maximum output voltage 90Vp-p(± 45 Vp), the maximum output current 18Ap.

LCD Panels Display

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

Voltage Gain

The voltage gain is adjustable from 0 to 30 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.

Application

- Electronic experiments in universities
- MEMS
- Ultrasonic tests
- To drive the electromagnetic field
- Used for piezoelectric ceramic drive

Specifications

Model	SLA-30-810
Form of output	Single output
Bandwidth (-3dB)	DC~30kHz
Maximum output voltage	90Vp-p ($\pm 45Vp$)
Maximum output current	9Ap (DC~50Hz)
	18Ap (>50Hz)
Maximum output power	810Wp
Fuse	10A/250V
Voltage gain	x0~30 (0.1 step/1 step)
Upper limit of load R_L	$\geq 4.75\Omega$ (DC~50Hz)
	$\geq 2.25\Omega$ (>50Hz)
Slew rate	$\geq 6V/\mu s$
Output resistance	0.25 Ω
Input resistance	50 Ω /10k Ω
Voltage monitoring	50mV/V
Current monitoring	200mV/A
Output voltage error	$\leq \pm 3\%FS@1kHz$
Total harmonic distortion (THD)	$\leq 0.5\%@1kHz$, 90Vp-p
Zero-point drift of output voltage	$\leq \pm 0.3V$
Signal-noise ratio(SNR)	$\geq 80dB$
Output connector	4mm banana socket
Protection	Overcurrent 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	$\leq 80\%$ RH, no condensation
Warranty	3 years
Size	440*163*470mm (w * h * d)

Order

Model	SLA-30-810
Parameters	DC~30kHz (-3dB) Power Amplifier
Accessories	*1 three-core power cord, *3 BNC wires, *1 set of output wires, *1 safety tube, product specification, certificate, packing list and factory test report each.
Contact	sales@salukitec.com