

## SLA-100-810 Power

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Maximum output voltage 90Vp-p( $\pm 45$ Vp)

Maximum output current 18Ap

Bandwidth (-3dB) DC~100kHz

Slew rate  $\geq 20$ V/ $\mu$ s



## Overview

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The SLA-100-810 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

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The input is BNC interface. Input resistance 50 $\Omega$ , 10K $\Omega$  two optional, perfect match high and low internal resistance signal source.

## Output

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

## LCD Panels Display

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

## Voltage Gain

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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

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

## Specifications

<b>Model</b>	SLA-100-810
<b>Form of output</b>	Single output
<b>Bandwidth (-3dB)</b>	DC~100kHz
<b>Maximum output voltage</b>	180Vp-p ( $\pm 90Vp$ )
<b>Maximum output current</b>	9Ap (DC~50Hz)
	18Ap (>50Hz)
<b>Maximum output power</b>	810Wp
<b>Fuse</b>	10A/250V
<b>Voltage gain</b>	x0~30 (0.1 step/1 step)
<b>Upper limit of load <math>R_L</math></b>	$\geq 4.75\Omega$ (DC~50Hz)
	$\geq 2.25\Omega$ (>50Hz)
<b>Slew rate</b>	$\geq 20V/\mu s$
<b>Output resistance</b>	0.25 $\Omega$ /50 $\Omega$ (customizable)
<b>Input resistance</b>	50 $\Omega$ /10k $\Omega$
<b>Voltage monitor</b>	50mV/V
<b>Current monitor</b>	200mV/A
<b>Output voltage error</b>	$\leq \pm 3\%FS@1kHz$
<b>Total harmonic distortion (THD)</b>	$\leq 0.5\%@1kHz, 90Vp-p$
<b>Zero-point drift of output voltage</b>	$\leq \pm 0.3V$
<b>Signal-noise ratio(SNR)</b>	$\geq 80dB$
<b>Output connector</b>	4mm banana socket
<b>Protection</b>	Overcurrent protection
<b>Signal ground</b>	Connected with the grounding of the shell and the power line.

## Other

<b>Supply voltage</b>	AC110~240V, 50/60Hz
<b>Operating temperature</b>	0°C ~ 45°C
<b>Storage temperature</b>	-20°C ~ 50°C
<b>Humidity</b>	$\leq 80\% RH$ , no condensation
<b>Warranty</b>	3 years
<b>Size</b>	440*163*470mm (w * h * d)

## Order

<b>Model</b>	<b>SLA-100-810 Power Amplifier</b>
<b>Parameters</b>	DC~100kHz (-3dB)
<b>Accessories</b>	*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.
<b>Contact</b>	sales@salukitec.com