

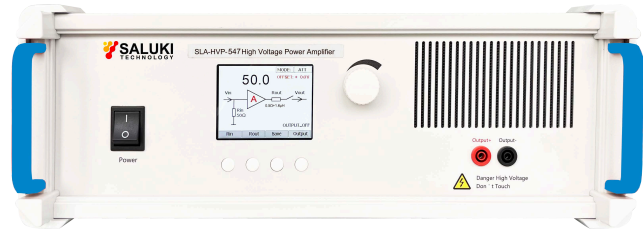
# SLA-HVP-547 High Voltage Power Amplifier

Maximum output voltage 310Vp-p( $\pm 155$ Vp)

The maximum output current is 3.53Ap

Bandwidth (-3dB) DC to 500kHz

Slew rate  $\geq 345$ V/ $\mu$ s



## Overview

SLA-HVP-547 is an ideal single-channel high-voltage power amplifier for amplifying AC and DC signals. Maximum output voltage of 310vp-p ( $\pm 155$ Vp), power of 547.1Wp, can drive high voltage power type load. Voltage gain CNC adjustable, one key to save the common Settings, provides you with a convenient and simple choice of operation, can be used with the mainstream signal generator, to achieve perfect signal amplification.

## Voltage Gain

Voltage gain 0~100 times NC adjustable, specifically divided into coarse adjustment (1step) and fine adjustment (0.1 step) two. Combined with the LCD panel gain display, can quickly and accurately adjust to the required voltage value.

## LCD Panels Display

SLA-HVP-547 adopts liquid crystal display, dynamic display of device status and parameters, different color prompts make man-machine interaction more efficient, operation interface at a glance, simple and easy to understand.

## Monitor

1/100 Monitor: The voltage of this port is 1/100 of the output port, and the monitoring port is a BNC connector, which can be directly connected to the oscilloscope for real-time monitoring of the output voltage.

## Output & Input

The output is BNC, the maximum output voltage is 310Vp-p( $\pm 155$ Vp), the maximum output current is 3.53Ap.

## Specifications

<b>Model</b>	SLA-HVP-547
<b>Form of output</b>	Single output
<b>Bandwidth (-3dB)</b>	DC to 500kHz
<b>Maximum output voltage</b>	310Vp-p(±155Vp)
<b>Maximum output current</b>	1.25Ap (DC~50Hz)
	3.53Ap, 2.5Arms (> 50Hz)
<b>Maximum output power</b>	547.1Wp
<b>Fuse</b>	10A/250V
<b>Voltage gain</b>	x0~100 (0.1 step/1 step)
<b>Upper limit of load <math>R_L</math></b>	≥123.4Ω (DC~50Hz)
	≥43.3Ω (> 50Hz)
<b>Output impedance</b>	0.625Ω+1.2μH
<b>Slew rate</b>	≥345V/μs
<b>DC offset</b>	±150V(0.1V step/ 1V step)
<b>Input impedance</b>	50Ω / 100kΩ
<b>Input amplitude</b>	0~10Vp-pMAX
<b>Output voltage error</b>	≤±3%FS@1kHz
<b>Voltage monitor</b>	100: 1
<b>Total harmonic distortion</b>	≤0.1%@1kHz, 100Vp-p
<b>Zero-point drift of output voltage</b>	≤±0.02V
<b>Signal-noise ratio(SNR)</b>	≥80dB
<b>Output connector</b>	BNC
<b>Protection</b>	Short circuit protection over voltage protection over temperature 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>	≤80% RH, no condensation
<b>Warranty</b>	3 years
<b>Size</b>	480*149*454mm(w * h * d)

## Order

<b>Model</b>	<b>SLA-HVP-437</b> <b>High Voltage Power Amplifier</b>
<b>Parameters</b>	DC to 500kHz (-3dB)
<b>Accessories</b>	*1 three-core power cord, *2 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