

## SLA-HV-400S High Voltage Amplifier

Single channel

Maximum output voltage 400Vp-p( $\pm 200$ Vp)

The maximum output current is 100mA<sub>p</sub>

Bandwidth (-3dB) DC to 500kHz

Slew rate  $\geq 445$ V/ $\mu$ s



### Overview

SLA-HV-400S is an ideal single-channel high voltage amplifier for amplifying AC/DC signals. Maximum output 400Vp-p ( $\pm 200$ Vp) high voltage, can drive high voltage load. 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.

### Voltage Gain

Voltage gain 0~60 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-HV-400S 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 banana socket, the maximum output voltage is 400Vp-p( $\pm 200$ Vp), the maximum output current is 100mA<sub>p</sub>. The output voltage rail is adjustable in three gears. The input is BNC interface, input resistance of 50 $\Omega$ , 5k $\Omega$  two optional, perfect match high and low internal resistance signal source.

## Specifications

<b>Model</b>	SLA-HV-400S
<b>Channel</b>	1
<b>Form of output</b>	Single output
<b>Bandwidth (-3dB)</b>	DC to 500kHz
<b>Maximum output voltage</b>	400Vp-p(±200Vp)
<b>Maximum output current</b>	50mA <sub>p</sub> (DC~50Hz)
	100mA <sub>p</sub> (> 50Hz)
<b>Maximum output power</b>	20W <sub>p</sub>
<b>Fuse</b>	2A/250V
<b>Voltage gain</b>	x0~60 (0.1 step/1 step)
<b>Upper limit of load R<sub>L</sub></b>	≥3.95KΩ (DC~50Hz)
	≥1.95KΩ (> 50Hz)
<b>Output resistance</b>	50Ω /2.5kΩ (customizable)
<b>Slew rate</b>	≥445V/μs
<b>Input resistance</b>	50Ω / 5kΩ
<b>Voltage monitor</b>	100: 1
<b>Input amplitude</b>	0~10Vp-pMAX
<b>Output voltage error</b>	≤±3%FS@1kHz
<b>Total harmonic distortion</b>	≤0.1%@1kHz, 100Vp-p
<b>Zero-point drift of output voltage</b>	≤±0.3V
<b>Signal-noise ratio(SNR)</b>	≥80dB
<b>Output connector</b>	4mm Banana socket
<b>Protection</b>	Overcurrent protection
<b>Signal ground</b>	connected with the housing and power cord

## Other

<b>Supply voltage</b>	AC220V±10%,50Hz
<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>	365*163*365mm(w * h * d)

## Order

<b>Model</b>	<b>SLA-HV-400S Wide Band 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