

## SLA-HV-200D High Voltage Amplifier

Dual channel

Bandwidth (-3dB) DC to 1MHz

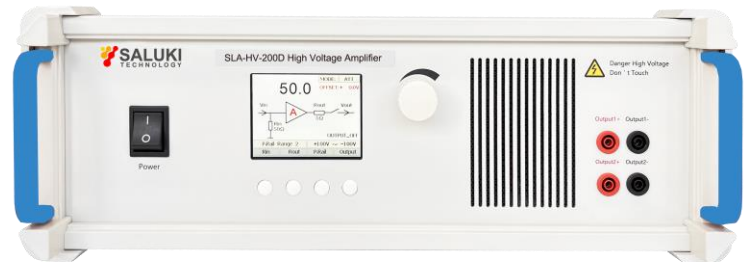
Maximum output voltage 200Vp-p

Maximum output current 500mA<sub>p</sub>

The output voltage rail is adjustable in three gears

Dc offset three gear adjustable

Operating voltage AC110~240V,50/60Hz



### Overview

SLA-HV-200D is a dual-channel high voltage amplifier that can amplify AC and DC signals. Maximum output voltage 200Vp-p, output voltage range can be adjusted according to the output rail; The DC bias voltage can be adjusted in three grades, and the maximum output can be  $\pm 160V$  for continuous change, which can realize the demand of output asymmetric signal and drive high-voltage load. Input and output resistance two gear switching, voltage gain can be adjusted NC, set parameters automatically save, with program control function, simple and convenient operation, can be used with the signal generator, to achieve perfect signal amplification. Wide range of power supply, compatible with power supply standards in different regions of the world.

### 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-200D 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

20mV/V Monitor: The monitoring port voltage is 1/50 of the output port voltage, and the monitoring port is a BNC connector, which can be directly connected to the oscilloscope for real-time monitoring of the output voltage.

2V/A Monitor: The voltage of the monitoring port is 2 times of the current of the output port. The monitoring port is a BNC connector, which can be directly connected to the oscilloscope for real-time monitoring of the output current.

### Output

The output is banana socket, the maximum output voltage is 200Vp-p, the maximum output current is 500mA<sub>p</sub>.

The output voltage rail is adjustable in three gears.

## Specifications

<b>Model</b>	SLA-HV-200D
<b>Channel</b>	2
<b>Form of output</b>	Single output
<b>Bandwidth (-3dB)</b>	DC to 1MHz
<b>Maximum output voltage</b>	300Vp-p( $\pm 100$ Vp)
<b>Range of output voltage</b>	Range1:+40V~-160V
	Range2:+100V~-100V
	Range3:+160V~-40V
<b>Maximum output current</b>	250mA <sub>p</sub> (DC~50Hz)
	500mA <sub>p</sub> (> 50Hz)
<b>Maximum output power</b>	50Wp
<b>Fuse</b>	5A/250V
<b>Voltage gain</b>	x0~60 (0.1 step/1 step)
<b>Upper limit of load R<sub>L</sub></b>	$\geq 395\Omega$ (DC~50Hz)
	$\geq 195\Omega$ (> 50Hz)
<b>DC offset</b>	$\pm 160$ V (0.1V step/1V step)
<b>Voltage range of DC offset</b>	Range1:+40V~-160V
	Range2:+100V~-100V
	Range3:+160V~-40V
<b>Output resistance</b>	5 $\Omega$ /50 $\Omega$ (customizable)
<b>Slew rate</b>	$\geq 445$ V/ $\mu$ s
<b>Input resistance</b>	50 $\Omega$ / 10k $\Omega$
<b>Voltage monitor</b>	20mV/V
<b>Current monitor</b>	2V/A
<b>Input amplitude</b>	0~10Vp-pMAX
<b>Output voltage error</b>	$\leq \pm 3\%$ FS@1kHz
<b>Total harmonic distortion</b>	$\leq 0.1\%$ @1kHz, 100Vp-p
<b>Zero-point drift of output voltage</b>	$\leq \pm 0.1$ V
<b>Signal-noise ratio(SNR)</b>	$\geq 80$ dB
<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>	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>	SLA-HV-200D High Voltage Amplifier
<b>Parameters</b>	DC to 1MHz (-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