

SLA-HV-200S High Voltage Amplifier

Single channel

Bandwidth (-3dB) DC to 1MHz

Maximum output voltage 200Vp-p

Maximum output current 500mA_p

The output voltage rail is adjustable in three gears

Dc offset three gear adjustable

Operating voltage AC110~240V,50/60Hz



Overview

SLA-HV-200S is a single channel high voltage amplifier that amplifies AC-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-200S 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_p.

The output voltage rail is adjustable in three gears.

Specifications

Model	SLA-HV-200S
Channel	1
Form of output	Single output
Bandwidth (-3dB)	DC~1MHz
Maximum output voltage	200Vp-p(±100Vp)
Range of output voltage	Range1:+40V~-160V
	Range2:+100V~-100V
	Range3:+160V~-40V
Maximum output current	250mA _p (DC~50Hz)
	500mA _p (> 50Hz)
Maximum output power	50W _p
Fuse	2A/250V
Voltage gain	x0~60 (0.1 step/1 step)
Upper limit of load R_L	≥395Ω (DC~50Hz)
	≥195Ω (> 50Hz)
DC offset	±160V (0.1V step/1V step)
Voltage range of DC offset	Range1:+40V~-160V
	Range2:+100V~-100V
	Range3:+160V~-40V
Output resistance	5Ω /50Ω (customizable)
Slew rate	≥445V/μs
Input resistance	50Ω / 10kΩ
Voltage monitor	20mV/V
Current monitor	2V/A
Input amplitude	0~10Vp-pMAX
Output voltage error	≤±3%FS@1kHz
Total harmonic distortion	≤0.1%@1kHz, 100Vp-p
Zero-point drift of output voltage	≤±0.1V
Signal-noise ratio(SNR)	≥80dB
Output connector	4mm Banana socket
Protection	Overcurrent protection
Signal ground	connected with the housing and power cord

Other

Supply voltage	AC110~240V,50/60Hz
Operating temperature	0°C ~ 45°C
Storage temperature	-20°C ~ 50°C
Humidity	≤80% RH, no condensation
Warranty	3 years
Size	365*163*365mm(w * h * d)

Order

Model	SLA-HV-200S High Voltage Amplifier
Parameters	DC~1MHz (-3dB)
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