

SLA-HV-1600S High Voltage Amplifier

Single channel

Maximum output voltage 1600Vp-p(± 800 Vp)

The maximum output current is 40mA

Bandwidth (-3dB) DC to 150kHz

Slew rate ≥ 534 V/ μ s



Overview

SLA-HV-1600S is an ideal single-channel high voltage amplifier for amplifying AC/DC signals. Maximum output 1600Vp-p (± 800 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 0~240 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-1600S 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 1600Vp-p(± 800 Vp), the maximum output current is 40mA. The output voltage rail is adjustable in three gears. The input is BNC interface, input resistance of 50 Ω , 5k Ω two optional, perfect match high and low internal resistance signal source.

Specifications

Model	SLA-HV-1600S
Channel	1
Form of output	Differential output
Bandwidth (-3dB)	DC to 150kHz
Maximum output voltage	1600Vp-p(±800Vp)
Maximum output current	20mA _p (DC~50Hz)
	40mA _p (> 50Hz)
Maximum output power	32W _p
Fuse	2A/250V
Voltage gain	x0~240 (0.1 step/1 step)
Upper limit of load R_L	≥39.8KΩ (DC~50Hz)
	≥19.8KΩ (> 50Hz)
Output resistance	200Ω /10kΩ (customizable)
Slew rate	≥534V/μs
Input resistance	50Ω / 5kΩ
Voltage monitor	100: 1
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	≤±0.3V
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	AC220V±10%,50Hz
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-1600S High Voltage Amplifier
Parameters	DC to 150kHz (-3dB)
Accessories	*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.
Contact	sales@salukitec.com