

SLA-HV-400X High Voltage Amplifier

Single channel

Maximum output voltage 400Vp-p(± 200 Vp)

The maximum output current is 300mA_p

Bandwidth (-3dB) DC to 500kHz

Slew rate ≥ 444.3 V/ μ s



Overview

SLA-HV-400X is an ideal single-channel high voltage amplifier for amplifying AC/DC signals. Maximum output 400Vp-p (± 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 0~100 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-HV-400X 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(± 200 Vp), the maximum output current is 300mA_p. 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-400X
Channel	1
Form of output	Single output
Bandwidth (-3dB)	DC to 500kHz
Maximum output voltage	400Vp-p(±200Vp)
Range of output voltage	/
	/
	/
Maximum output current	150mA _p (DC~50Hz)
	300mA _p (> 50Hz)
Maximum output power	60W _p
Fuse	2A/250V
Voltage gain	x0~100 (0.1 step/1 step)
Upper limit of load R_L	≥1323Ω (DC~50Hz)
	≥657Ω (> 50Hz)
DC offset	/
Voltage range of DC offset	/
	/
	/
Output resistance	10Ω /2.5kΩ (customizable)
Slew rate	≥444.3V/μs
Input resistance	50Ω / 5kΩ
Voltage monitor	100: 1
Current monitor	/
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	AC220V±10%,50Hz
Operating temperature	0°C ~ 45°C
Storage temperature	-20°C ~ 50°C
Humidity	≤80% RH, no condensation
Warranty	3 years
Size	366*164*369mm(w * h * d)

Order

Model	SLA-HV-400X High Voltage Amplifier
Parameters	DC to 500kHz (-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