

SLA-HVP-112 High Voltage Power Amplifier

Maximum output voltage 160Vp-p(± 80 Vp)

The maximum output current is 1.41Ap

Bandwidth (-3dB) DC to 1.2MHz

Slew rate ≥ 426 V/ μ s

Dc bias voltage ± 75 V

Operating voltage AC110V~240V, 50/60Hz



Overview

SLA-HVP-112 is an ideal single-channel high-voltage power amplifier for amplifying AC and DC signals. Maximum output voltage of 160 vp-p (± 80 Vp), power of 112.8Wp, can drive high voltage power type load. Voltage gain CNC adjustable, one key to save the common Settings, provides you with a convenient and simple choice of operation, can be used with the mainstream signal generator, to achieve perfect signal amplification.

Voltage Gain

Voltage gain 0~50 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-HVP-112 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 voltage of this port is 1/50 of the voltage 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.

1V/A Monitor: The voltage of this port is 1 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 & Input

The output is banana socket, the maximum output voltage is 160Vp-p(± 80 Vp), the maximum output current is 1.41Ap. The output voltage rail is adjustable in three gears. The input is BNC interface, input resistance of 50 Ω , 10k Ω two optional, perfect match high and low internal resistance signal source.

Specifications

Model	SLA-HVP-112
Form of output	Single output
Bandwidth (-3dB)	DC to 1.2MHz
Maximum output voltage	160Vp-p(± 80 Vp)
Maximum output current	0.5Ap (DC~50Hz)
	1.41Ap, 1Arms (> 50Hz)
Maximum output power	112.8Wp
Fuse	5A/250V
Voltage gain	x0~50 (0.1 step/1 step)
Upper limit of load R_L	$\geq 159\Omega$ (DC~50Hz)
	$\geq 55.7\Omega$ (> 50Hz)
Output impedance	1 Ω +2 μ H
Slew rate	≥ 426 V/ μ s
DC offset	± 75 V(0.1V step/1V step)
Input resistance	50 Ω / 10k Ω
Input amplitude	0~10Vp-pMAX
Output voltage error	$\leq \pm 3\%$ FS@1kHz
Voltage monitor	20mV/V
Current monitor	1V/A
Total harmonic distortion	$\leq 0.1\%$ @1kHz, 100Vp-p
Zero-point drift of output voltage	$\leq \pm 0.1$ V
Signal-noise ratio(SNR)	≥ 80 dB
Output connector	4mm Banana socket
Protection	Overcurrent protection
Signal ground	connected with the grounding of the shell and the power line

Other

Supply voltage	AC110~240V, 50/60Hz
Operating temperature	0°C ~ 45°C
Storage temperature	-20°C ~ 50°C
Humidity	$\leq 80\%$ RH, no condensation
Warranty	3 years
Size	440*163*470mm(w * h * d)

Order

Model	SLA-HVP-112 High Voltage Power Amplifier
Parameters	DC to 1.2MHz (-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