

SLA-100-720 Power

Maximum output voltage 180Vp-p(± 90 Vp)

Maximum output current 8Ap

Bandwidth (-3dB) DC~100kHz

Slew rate ≥ 40 V/ μ s



Overview

The SLA-100-720 is an ideal power amplifier for amplifying AC and DC signals. Maximum output 720Wp power, can drive power type load. The gain control can be adjusted, and the common Settings can be saved with one key, providing you with a convenient and simple choice of operation. It can be used with the mainstream signal generator to achieve perfect signal amplification.

Input

The input is BNC interface. Input resistance 50 Ω , 10K Ω two optional, perfect match high and low internal resistance signal source.

Output

Output banana socket, the maximum output voltage 180Vp-p(± 90 Vp), the maximum output current 8Ap.

LCD Panels Display

Operation panel LCD display, device status and parameters dynamic display, interactive interface at a glance, simple and easy to understand.

Voltage Gain

The voltage gain is adjustable from 0 to 60 times, which can be divided into coarse adjustment (1step) and fine adjustment (0.1step). Combined with the display of the LCD panel gain, the voltage can be quickly adjusted to the required value.

Application

- Electronic experiments in universities
- MEMS
- Ultrasonic tests
- To drive the electromagnetic field
- Used for piezoelectric ceramic drive

Specifications

Model	SLA-100-720
Form of output	Differential output
Bandwidth (-3dB)	DC~100kHz
Maximum output voltage	180Vp-p ($\pm 90Vp$)
Maximum output current	4Ap (DC~50Hz)
	8Ap (>50Hz)
Maximum output power	720Wp
Fuse	8A/250V
Voltage gain	x0~60 (0.1 step/1 step)
Upper limit of load R_L	$\geq 22\Omega$ (DC~50Hz)
	$\geq 10.75\Omega$ (>50Hz)
Slew rate	$\geq 40V/\mu s$
Output resistance	0.5 Ω /100 Ω (customizable)
Input resistance	50 Ω /5k Ω
Voltage monitor	/
Current monitor	/
Output voltage error	$\leq \pm 3\%FS@1kHz$
Total harmonic distortion (THD)	$\leq 0.5\%@1kHz, 90Vp-p$
Zero-point drift of output voltage	$\leq \pm 0.3V$
Signal-noise ratio(SNR)	$\geq 80dB$
Output connector	4mm banana socket
Protection	Overcurrent protection
Signal ground	Connected with the grounding of the shell and the power line.

Other

Supply voltage	AC220V $\pm 10\%$, 50Hz
Operating temperature	0 $^{\circ}C$ ~ 45 $^{\circ}C$
Storage temperature	-20 $^{\circ}C$ ~ 50 $^{\circ}C$
Humidity	$\leq 80\%$ RH, no condensation
Warranty	3 years
Size	440*163*470mm (w * h * d)

Order

Model	SLA-100-720 Power Amplifier
Parameters	DC~100kHz (-3dB)
Accessories	*1 three-core power cord, *1 BNC wire, *1 set of output wire, *1 safety tube, product specification, certificate, packing list, factory test report each.
Contact	sales@salukitec.com