

ATG-3000 power signal Generator

Able to output sine wave, square wave, triangular wave and pulse wave

Built-in/external signal input

Maximum output voltage: 0-180Vp-p ($\pm 90V$)

Maximum output current: 18A

Working frequency: DC~100kHz (-3dB)



Introduction

ATG-3000 is an ideal single-channel high voltage amplifier that can amplify the AC and DC signals. Maximum output voltage 180Vp-p ($\pm 90V$); output peak current 500mA, matching with the mainstream signal generator, realize perfect signal amplification.

Input

The input end of external signal is BNC interface. During the signal built-in input, it is the mode of power signal generator, just set the parameters such as waveform, frequency and voltage; when the signal is accessed externally, it is the amplifier mode, the input resistance is 5k Ω , the output resistance can be switched, and the signal can be amplified by regulating the voltage gain.

LCD Displays

LCD operation panel to display the equipment state and parameters dynamically, the interactive interface is clear at a glance, concise and easy to understand.

Output

The output interface is banana binding post; the output resistor can be switched.

Model	ATG-3040	ATG-3080	ATG-3090
Bandwidth (-3dB)	DC~100kHz	DC~100kHz	DC~100kHz
Output form	Single-end output	differential output	Single-end output
Maximum output voltage	90Vp-p (±45V)	180Vp-p (±90V)	90Vp-p (±45V)
Maximum output current	8A	8A	18A
Maximum output power	360W	720W	810W
Voltage gain	0~30(0.1step)	0~60(0.1step)	0~30(0.1step)
Input resistance (Rin)	50Ω / 5kΩ	50Ω / 5kΩ	50Ω / 5kΩ
Input waveform amplitude	10Vp-pMAX	10Vp-pMAX	10Vp-pMAX
Output resistance (Rout)	0.1Ω / 50Ω customizable	0.5Ω / 50Ω customizable	0.3Ω / 50Ω customizable
Slew rate	50V/μs	50V/μs	50V/μs
Load limit (RL)	≥5.6Ω	≥11.25Ω	≥2.5Ω

