

ATG-300 Series Power Signal Generator

It can output sine wave, square wave, triangle wave, and pulse wave

The input signal can be built-in or external

Maximum output power 810Wp

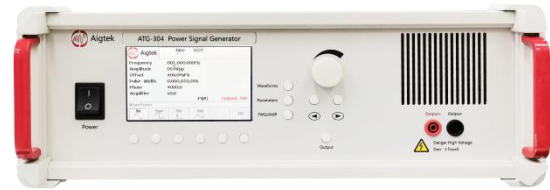
Bandwidth (-3dB) DC~30kHz

Introduction

The ATG-300 Series is an ideal power signal generator that outputs sine waves, square waves, triangle waves, and pulse waves. Customers can choose internal or external input signal based on the usage. With a maximum output of 810Wp, it can drive power-type loads.

Input

The input interfaces of ATG-300 series are BNC interfaces. When in FWG mode, the built-in input signal will be used, just need to set up the waveform, frequency, voltage and other parameters. When in AMP mode, the signal is externally connected, the input resistance is 5k Ω , the output resistance can be switched, and the voltage gain can be adjusted to achieve signal amplification.



LCD panel display

LCD display of equipment status, parameter settings etc., simple and easy to understand.

Output

The output ports of the ATG-300 series are banana sockets, and the output resistance is switchable.

Model	ATG-304	ATG-308	ATG-309
Form of output	Single output	Differential output	Single output
Bandwidth (-3dB)	DC~30kHz	DC~30kHz	DC~30kHz
Maximum output voltage	90Vp-p ($\pm 45Vp$)	180Vp-p ($\pm 90Vp$)	90Vp-p ($\pm 45Vp$)
Maximum output current	4Ap (DC~50Hz)	4Ap (DC~50Hz)	9Ap (DC~50Hz)
	8Ap (>50Hz)	8Ap (>50Hz)	18Ap (>50Hz)
Maximum output power	360Wp	720Wp	810Wp
Fuse	8A/250V	8A/250V	10A/250V
Voltage gain	x0~30 (1 step)	x0~60 (1 step)	x0~30 (1 step)
Load R_L upper limit	$\geq 11.15\Omega$ (DC~50Hz)	$\geq 22\Omega$ (DC~50Hz)	$\geq 4.9\Omega$ (DC~50Hz)
	$\geq 5.5\Omega$ (>50Hz)	$\geq 10.75\Omega$ (>50Hz)	$\geq 2.4\Omega$ (>50Hz)
Output resistance	0.1 Ω	0.5 Ω	0.1 Ω
Slew Rate	$\geq 6V/\mu s$	$\geq 12V/\mu s$	$\geq 6V/\mu s$
Input resistance	5k Ω		
Input amplitude	0~10Vp-pMAX		
Output voltage error	$\leq \pm 3\%FS@1kHz$		
Total harmonic distortion (THD)	$\leq 0.5\%@1kHz, 90Vp-p$		
Output voltage zero-point drift	$\leq \pm 0.3V$		
Signal-noise ratio(SNR)	$\geq 80dB$		
Output connector	4mm banana connector		
Protection	Overcurrent protection		
Signal ground	Ground connected with the case and the power line		
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		
Dimension (W*H*D) :	440*163*470mm		