ATG-300 Series Power Signal Source

Main features

- Can output sine wave, square wave triangle wave and pulse wave
- Input signal can be built-in or external
- Maximum output power 810Wp
- Bandwidth（-3dB）DC~30kHz

Applications

- Electronic experiment tests for colleges and universities
- MEMS tests
- Ultrasonic tests
- Electromagnetic field drive
- Piezoelectric ceramic drive

Technical Index

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（±45Vp)	180Vp-p（±90Vp)	90Vp-p（±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	≥ 11.15Ω（DC~50Hz)	≥ 22Ω（DC~50Hz)	≥ 4.9Ω（DC~50Hz)
	≥ 5.5Ω（>50Hz)	≥ 10.75Ω（>50Hz)	≥ 2.4Ω（>50Hz)
Output resistance	0.1Ω	0.5Ω	0.1Ω
Slew rate	≥ 6V/μs	≥ 12V/μs	≥ 6V/μs
Input resistance	5kΩ		
Input amplitude	0~10Vp-pMAX		
Output voltage error	≤ ±3%FS@1kHz		
Total harmonic distortion(THD)	≤ 0.5%@1kHz，90Vp-p		
Output voltage zero drift	≤ ±0.3V		
Signal-noise ratio(SNR)	≥ 80dB		
Output connector	4mm banana connector		
Protection	Overcurrent protection		
Signal ground	Ground connected with the case and the power line		
Supply voltage	AC220V±10%，50Hz		
Operating temperature	0℃ ~45℃		
Storage temperature	-20℃ ~50℃		
Humidity	≤ 80%RH，no condensation		
Size (w * h * d)	440*163*470mm		