

GWinstek Comparison Chart for APS-1102A vs APS-1102

MODEL NUMBER	APS-1102				APS-1102A			
MAXIMUM OUTPUT CAPACITY	AC	Input(100~180V)	750VA		Input(100~180V)	750VA		
		Input(100~180V)	1000VA		Input(100~180V)	1000VA		
	DC	Input(100~180V)	750W		Input(100~180V)	750W		
		Input(180~250V)	1000W		Input(180~250V)	1000W		
OUTPUT VOLTAGE	AC	100V	0.0~135.0V		100V	0~155.0V		
		200V	0.0~270.0V		200V	0~310.0V		
OUTPUT MAX. CURRENT	AC	100V	10A		100V	10A		
		200V	5A		200V	5A		
	DC	100V	10A		100V	10A		
		200V	5A		200V	5A		
OUTPUT MAX PEAK CURRENT		100V	40A		100V	40A		
		200V	20A		200V	20A		
FREQUENCY SETTING RANGE								
		1.0Hz~550.0Hz			1.0Hz~550.0Hz			
	Line Voltage Regulation	0.2%(Maximum) Power Input Voltage 100V /120V /230 no load Rated Power			0.2%(Maximum) Power Input Voltage 100V /120V /230 no load Rated Power			
	Load Voltage Regulation	0.5%(Maximum) At output terminal under no load and rated resistance load			0.5%(Maximum) At output terminal under no load and rated resistance load			
WAVEFORM OUTPUT								
	SINE WAVE, SQUARE WAVE ARBITRARY WAVE(16Types)				SINE WAVE, SQUARE WAVE ARBITRARY WAVE(16Types)			
Output Voltage Distortion Rate								
	0.5% Max (50/60Hz)				0.5% Max (50/60Hz)			
MEASUREMENT		RANGE	RESOLUTION	ACCURACY	Range	Resolution	Accuracy	
	Frequency Counter	1Hz~550Hz(AC+DC Mode)	0.1Hz	±100ppm (1Hz to 550Hz) ,23℃±5℃	1Hz~550Hz(AC+DC Mode)	0.1Hz	±100ppm (1Hz to 550Hz) ,23℃±5℃	
	RMS Voltage-Meter(AC+DC)	Full Scale 100V: 225.0V rms	0.1Vrms	±(0.5% of rdg)+0.3V(45Hz~65Hz)	Full Scale 100V: 250.0V rms	0.1Vrms	±(0.5% of rdg)+0.3V(45Hz~65Hz)	
		Full Scale 200V: 450.0V rms	0.1Vrms	±(0.5% of rdg)+0.6V(45Hz~65Hz)	Full Scale 200V: 500.0V rms	0.1Vrms	±(0.5% of rdg)+0.6V(45Hz~65Hz)	
	RMS Current-Meter(AC+DC)	Full Scale 100V:15A	0.01Arms	±(0.5% of rdg+0.08A);45Hz~65Hz	Full Scale 100V:15A	0.01Arms	±(0.5% of rdg+0.08A);45Hz~65Hz	
	Watteage Meter	Full Scale:1200W	1W		Full Scale:1200W	1W		
	Load Power Factor	0.00~1.00	0.01		0.00~1.00	0.01		
	Load Crest Factor	0.00~50.00	0.01		0.00~50.00	0.01		
	External Synchronization							
	Frequency Measurement	38.0~525.0Hz	0.1Hz	±0.2Hz	38.0~525.0Hz	0.1Hz	±0.2Hz	
	Phase When Output is On	0.0~359.9	0.1		0.0~359.9	0.1		
	Output Harmonic Current	N/A			Up to 40th order (Full Scale: 15Arms and 100%)			
PROGRAM(SEQUENCE PROGRAMMING)								
	Step Rang(Each Memory Set)	1~255Step			1~255Step			
	Step Time Setting	0.0001S~999.9999S	0.0001S(=0.1mS)		0.0001S~999.9999S	0.0001S(=0.1mS)		
EXTERNAL SIGNAL INPUT								
	Gain Setting Range	100V Range 0~200 times	0.1	±5%	100V Range 0~200 times	0.1	±5%	
		200V Range 0~400 times	0.1	±5%	200V Range 0~400 times	0.1	±5%	
OUTPUT MODE	AC-INT · AC+DC-INT Mode · AC-ADD Mode · AC+DC-ADD Mode · AC-EXT Mode · AC+DC-EXT Mode · AC-SYNC Mode · AC+DC-SYNC Mode				AC-INT · AC+DC-INT Mode · AC-ADD Mode · AC+DC-ADD Mode · AC-EXT Mode · AC+DC-EXT Mode · AC-SYNC Mode · AC+DC-SYNC Mode			
POWER SOURCE	AC100V~230V±10% ; 50Hz/60Hz±2Hz				AC100V~230V±10% ; 50Hz/60Hz±2Hz			
POWER CONSUMPTION / FACTOR	1.4kVA Max / 0.95 Typ (At 100V Input) / 0.9Typ (At 200V Input)				1.4kVA Max / 0.95 Typ (At 100V Input) / 0.9Typ (At 200V Input)			
POWER EFFICIENCY	≥77% or more(At AC200V input typical)				≥77% or more(At AC200V input typical)			
INTERFACE STANDARD	USB(USBTMC)				USB(USBTMC) / RS-232			
DIMENSIONS & WEIGHT	258(W) x 176(H) x 440(D) mm ; Approx 9.5kg				258(W) x 176(H) x 440(D) mm ; Approx 9.7kg			