

STG1100 Series Programmable AC Power Supply

Features

- 24-bit color 4.3-inch 480 × 272 color LCD screen, English interfaces
- Linear output design
- Flexible and convenient operation: numeric keypad, coarse and fine adjustment knob
- Manual / program control mode output function, timing output function, dimming mode output function, surge and notch function
- Front panel output function
- Boot hold function
- Store setting parameters and test results
- Support USB to upgrade the instrument firmware
- Multiple protection modes: set the current protection (HI-A) Overvoltage Protection (OVP), Low Voltage Protection (LVP) Overcurrent protection (OCP), over power protection (OPP) Over temperature protection (OTP)
- Two-gear temperature to control fan speed
- Remote input and output functions:
Remote input: input control of 7 groups of memory
Remote output: PASS, FAIL, PROCESSING, internal output switch
- Memory capacity:
Manual: 50 groups
Program control: 50 groups, 9 steps / group

NEW



STG1100

Dimension(mm): 430(W)×88(H)×600(D)

Weight: 40kg

Standard	RS232 <input checked="" type="checkbox"/>	USB HOST <input checked="" type="checkbox"/>	USB DEVICE <input checked="" type="checkbox"/>	REMOTE <input checked="" type="checkbox"/>
Option	GPIB <input type="checkbox"/>			

Application

- Motors and transformers
- Electronic production design
- Lighting
- Aerospace military
- Network communication
- Audio and video equipment
- Monitoring equipment
- Power specifications simulation of different countries
- Electromagnetic compatibility equipment

Specifications

Model	STG1105	STG1110	STG1120			
Output parameters						
Rated power	500W	1000W	2000W			
Output voltage	0~300V					
Output frequency	45.0Hz~500Hz					
Maximum current (RMS)	0-150V	4.2A	8.4A			
	0-300V	2.1A	4.2A			
Maximum current (Peak)	0-150V	16.8A	33.6A			
	0-300V	8.4A	16.8A			
Total harmonic distortion (THD)	at 45.0 ~ 500Hz, ≤ 0.5% (resistive load)					
Common parameters	Phase	1Ø/2W				
	Crest factor	≥4				
	Linearity adjustment rate	0.1%±10%				
	Load regulation	0.5%(resistive load)				
Response time	<100uS					
Setting parameters						
Voltage	0 ~ 300V	Resolution	0.1V	Accuracy	±0.5%+2 digits	
Frequency	45.0Hz ~ 500Hz		<100Hz: 0.1Hz ; ≥100Hz: 1Hz		±0.02%	
Initial / final phase angle	0 ~ 359°		1°		±1°(45 ~ 65Hz)	
Measurement parameters						
Voltage	0 ~ 300V	Resolution	0.1V	Accuracy	±0.5%+2 digits	
Frequency	45.0Hz ~ 500Hz		<100Hz: 0.1Hz ; ≥100Hz: 1Hz		±0.1Hz	
Current	0-150V	0.000 ~ 4.200A		0.000 ~ 16.800A		
	0-300V	0.000 ~ 2.100A		0.000 ~ 8.400A		
	Resolution	0.001A				
	Accuracy	±0.5%+5 digits				
Peak current	0-150V	0.00 ~ 16.80A		0.00 ~ 67.20A		
	0-300V	0.00 ~ 8.40A		0.00 ~ 33.60A		
	Resolution	0.01A				
	Accuracy	±5%+2 digits				
Power	Range	0 ~ 500W	0 ~ 1000W	0 ~ 2000W		
	Resolution	0.1W			0.1W(0 ~ 1000W);1W(1000 ~ 2000W)	
	Accuracy	±0.6%+5 digits				
Power factor	0.001-1.000	Resolution	0.001	Accuracy	±2%+2 digits	