

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	USB HOST	USB DEVICE	REMOTE
Option	GPIO			

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		STG110		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		16.8A		
	0-300V	2.1A		4.2A		8.4A		
Maximum current (Peak)	0-150V	16.8A		33.6A		67.2A		
	0-300V	8.4A		16.8A		33.6A		
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 ~ 8.400A		0.000 ~ 16.800A	
	0-300V	0.000 ~ 2.100A			0.000 ~ 4.200A		0.000 ~ 8.400A	
	Resolution	0.001A						
	Accuracy	±0.5%+5 digits						
Peak current	0-150V	0.00 ~ 16.80A			0.00 ~ 33.60A		0.00 ~ 67.20A	
	0-300V	0.00 ~ 8.40A			0.00 ~ 16.80A		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