

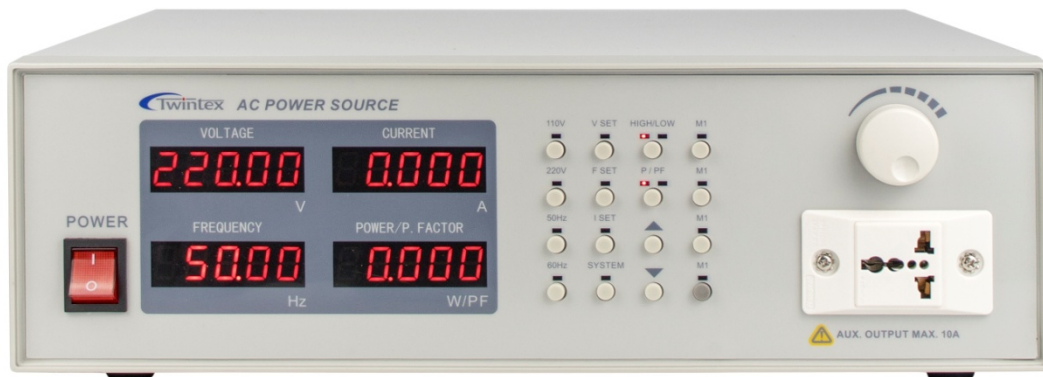
## AC Power Source

### AC Power Source in Single Phase Output

#### Features

- ✓ Full range adjustable output: Low 1-150V, High 150.1~300V, resolution 0.1V
- ✓ Output frequency: 45-250Hz
- ✓ Fast output key for 110V/220V and 50Hz/60Hz
- ✓ Panel lock function
- ✓ 3 sets memories for voltage and frequency settings
- ✓ Unlimited rotary knob for voltage and frequency adjustment, minimum step 0.001
- ✓ Strong overload capacity, overload 300% within 2s
- ✓ Withstand transient current 1.5 times of rated current within 0.1s
- ✓ Response time less than 20ms for 100% load and unload
- ✓ 5 digits high accuracy LED display for voltage, current, frequency, active power, power factor
- ✓ With soft-start function, set voltage rise time (0~99.999s), avoid damage by surge current during load start-up
- ✓ Over load, over current, over temperature and short circuit protections
- ✓ RS232 interface (APS51 Series)

#### Product photo



**APS-5101**

## AC Power Source

### Specifications

Model		APS-51005	APS-5101	APS-5102	APS-5103
Capacity		500VA	1KVA	2KVA	3KVA
Circuit mode		IGBT/SPWM			
Input		1φ2W, 110V/220V±10%, 47-63Hz			
Output					
Phase		1φ2W			
Voltage		Phase voltage 1.0V-150.0V Phase voltage 150.1V-300.0V			
Frequency		45.00-250.00Hz, step 0.1Hz			
Max.	L=120V	4.2A	8.4A	16.8A	25A
current	H-240V	2.1A	4.2A	8.4A	12.5A
Load regulation		≤1%			
Line regulation		≤1%			
Harmonic distortion		≤2% (resistive load, L=120V, H=240V)			
Frequency stability		≤0.01%			
Crest factor		1.41±0.10			
Efficiency		≥75%			
Response time		Max. 20ms			
Frequency resolution		0.01Hz			
Voltage resolution		0.01V			
Current resolution		0.001A			
Power resolution		4 digits LED, resolution 0.001W /0.001kW			
Power factor resolution		4 digits LED, resolution 0.01			
Measuring accuracy	Voltage	±0.5%full scale +5 digit			
	Current	±0.5%full scale +5 digit			
	Frequency	±0.01%full scale +5 digit			
	Power	±0.5%full scale +5 digit			
Setting accuracy	Voltage	±1%full scale			
	Frequency	±0.1%full scale			
Communication interface		RS232			
Preset function		Preset output voltage, output frequency			
Fast key function		Fast key for 110V, 220V, 50Hz, 60Hz			
Alarm function		Audible and visual alarm once protective device activated; display error code on LED			
Protection		Fast-response circuit to detect over current, over load, over temperature and short circuit; Output will be shut down in protection mode.			
Cooling		Cooling fan			
Operation environment		0℃-40℃, 10%~90% RH (Non-condensing), Altitude: 2000 feet			
Dimension (mm)		430Wx133Hx502D		430Wx222Hx480D	
Weight (kg)		17	21	30	33

Specifications are subject to change without prior notice.