

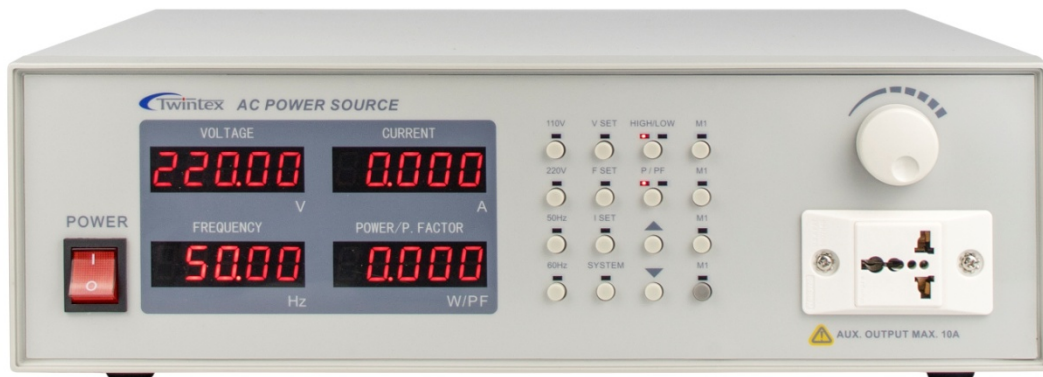
AC Power Source

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	1 ϕ 2W, 110V/220V \pm 10%, 47-63Hz				
Output					
Phase	1 ϕ 2W				
Voltage	Phase voltage 1.0V-150.0V Phase voltage 150.1V-300.0V				
Frequency	45.00-250.00Hz, step 0.1Hz				
Max. current	L=120V	4.2A	8.4A	16.8A	25A
	H=240V	2.1A	4.2A	8.4A	12.5A
Load regulation	\leq 1%				
Line regulation	\leq 1%				
Harmonic distortion	\leq 2% (resistive load, L=120V, H=240V)				
Frequency stability	\leq 0.01%				
Crest factor	1.41 \pm 0.10				
Efficiency	\geq 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	\pm 0.5%full scale +5 digit			
	Current	\pm 0.5%full scale +5 digit			
	Frequency	\pm 0.01%full scale +5 digit			
	Power	\pm 0.5%full scale +5 digit			
Setting accuracy	Voltage	\pm 1%full scale			
	Frequency	\pm 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 $^{\circ}$ C-40 $^{\circ}$ C, 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.