

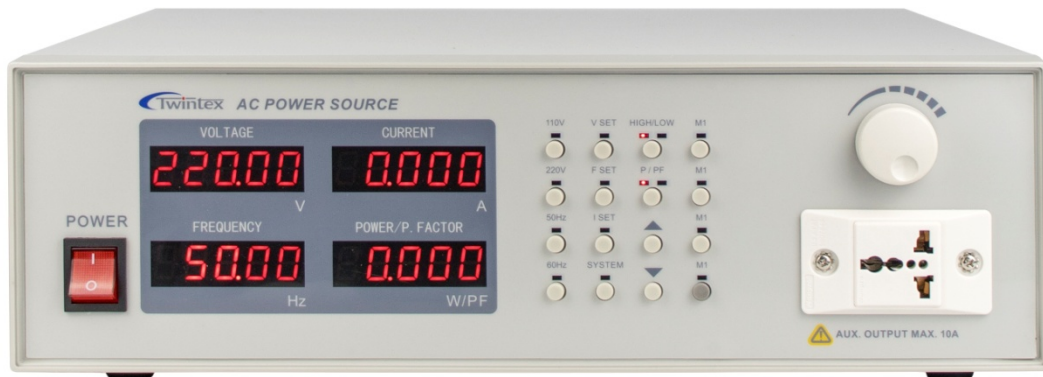
AC Power Source

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-5000A	APS-5000B	APS-5000C	APS-51005	APS-5101	APS-5102	APS-5103	
Capacity	350VA	700VA	1200VA	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, Line voltage 1.0-260.0V Phase voltage 150.1V-300.0V, Line voltage 260.1V-520.0V							
Frequency	45-250Hz, step 0.1Hz							
Max. current	L=120V	3A	6A	10A	4.2A	8.4A	16.8A	25A
	H=240V	1.5A	3A	5A	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			0.0001A		0.001A		
Power resolution	4 digits LED, resolution 0.001W /0.001kW							
Power factor resolution	3 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	N/A			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, \leq 90% RH(Non-condensing), Altitude: 2000 feet							
Dimension (mm)	365Wx145Hx450D			430Wx133xH480D		430Wx222Hx480D		
Weight (kg)	13.5	14.5	18	16.5	21	30	33	

Specifications are subject to change without prior notice.