

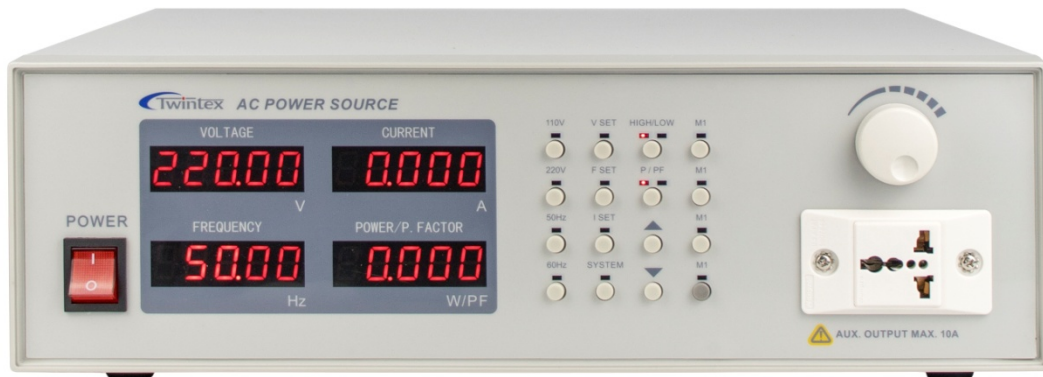
AC Power Source

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 (TFC51 Series)

Product photo



Specifications

Model	APS-5000A	APS-5000B	APS-5000C	APS-51005	APS-5101	APS-5102	APS-5103	APS-5105	
Capacity	350VA	700VA	1200VA	500VA	1KVA	2KVA	3KVA	5KVA	
Circuit mode	IGBT/SPWM								
Input	1 ϕ 2W, 110V/220V \pm 10%, 47-63Hz								
Output									
Phase	1 ϕ 2W								
Voltage	Low 1.0V-150.0V / High 150.1V-300.0V, AUTO								
Frequency	45-250Hz, step 0.1Hz								
Max. current	L=120V	3A	6A	10A	4.2A	8.4A	16.8A	25A	42A
	H=240V	1.5A	3A	5A	2.1A	4.2A	8.4A	12.5A	21A
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)	4365Wx145xH450D				430Wx133xH480D		430Wx222Hx480D		
Weight (kg)	13.5	16	20	20	25	30	50	80	

Specifications are subject to change without prior notice.