

# AC Power Source

## APS-50000 Series



- Input and output are completely isolated
- Output voltage: phase voltage  
0V-150VAC/0V-300VAC or line voltage 0V-520V  
(voltage can be customized 600V, 1000V or more)
- Output frequency: 40Hz-250Hz continuously adjustable
- Output high and low gears: automatic switching of high and low gears, safe and convenient
- Voltage, frequency, current, power/power factor, four windows simultaneously display
- 5 groups of storage one-key calling function
- No radiation interference, low harmonic content, and special treatment, low interference
- Pure and stable sine wave output
- Strong overload capacity, instantaneous current can withstand 3 times the rated current
- With over current, over temperature, over voltage, short circuit, overload, current limit, instantaneous power failure protection and warning device

Standard RS-232  RS485  Synchronous signal output

Model	APS-51005	APS-51008	APS-51010	APS-51015	APS-51020	APS-51030	APS-51050	APS-51075	APS-51100
Capacity	5KVA	8KVA	10KVA	15KVA	20KVA	30KVA	50KVA	75KVA	100KVA
The output voltage	0-150V/0-300V automatic switching between high and low gears								
Output current	L=120V	42A	67A	84A	126A	168A	252A	416A	626A
	H=240V	21A	33.5A	42A	63A	84A	126A	208A	313A
frequency	40-250Hz(0.01Step)								
Size (W*H*D)	430*425*550		680*450*650		800*450*650		1020*610*930		1620*750*1200
Weight (kg)	50	70	90	110	140	210	290	410	540

Specifications		
Working mode	SPWM (Sine Pulse Width Modulation)	
Input phase number	1Φ2W 220V±15% or 3Φ4W 380V±15%	
Output	Phase	1Φ2W
	Voltage	0-150V/0-300V automatic switching between high and low gears
	Current	42A-840A
	frequency	40-250Hz(0.01Step)
LED display	Voltage Vrms, current Arms, frequency Fre, power Wattage, power factor PF	
Voltage resolution	0.01V	
Current resolution	Output <10A, resolution 0.001A; output 10A-100A, resolution 0.01A; Output 100A-1000A, resolution 0.1A; output ≥1000A, resolution 1A;	
Frequency resolution	0.01Hz	
Power regulation rate	≤1%	
Load stability	≤1%	
Load regulation rate	≤1%	
Frequency stability	0.01%	
Waveform distortion	≤1%(Pure resistance load,other resistance 3%)	
Measurement Accuracy	Voltage	0.5%FS+5dgt
	Current	0.5%FS+5dgt
set up Accuracy	frequency	0.01%FS+5dgt
	power	0.5%FS+5dgt
	Voltage	0.2%FS
Current limit setting	0-MAX Current	
storage	5 groups of storage: M1 (V/F/A), M2 (V/F/A), M3 (V/F/A), M4 (V/F/A), M5 (V/F/A)	
protect	Over Current, Over Temp, Over Load, Short Circuit	
cooling method	Forced cooling by fan	
Operating environment	0-40°C/10-90%RH	

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## APS-50000 Series

Model	Capacity	The output voltage	Output current (L120V/H240V)	Frequency	Size (W*H*D)	Weight (kg)
APS-53005	5KVA	0-150V/0-300V Automatic switching between high and low gears (Line voltage: 0-260V/0-520V)	14A/7A	40-250Hz (0.01Step)	800*450*650	110
APS-53010	10KVA		28A/14A			130
APS-53015	15KVA		42A/21A			160
APS-53020	20KVA		58A/29A		1020*610*930	210
APS-53030	30KVA		84A/42A			280
APS-53050	50KVA		140A/70A		1140*730*930	360
APS-53075	75KVA		210A/105A			510
APS-53100	100KVA		280A/140A		1620*750*1200	660
APS-53150	150KVA		420A/210A			710
APS-53200	200KVA		588A/294A		1800*1050*1600	910
APS-53300	300KVA	840A/420A	1200			
APS-53500	500KVA	1390A/695A	1800*1050*1600*2	1800		

Specifications		
Working mode	SPWM (Sine Pulse Width Modulation)	
Input phase number	3Φ4W 380V±15% (5KVA、10KVA Optional 1Φ2W 220V±15%)	
Output	Phase	3Φ4W
	Voltage	0-150V/0-300V automatic switching between high and low gears (line voltage: 0-260V/0-520V)
	Current	14A-1390A
	Frequency	40-250Hz(0.01Step)
LED display	Each phase voltage Vrms, current Arms, frequency Fre, power Wattage, power factor PF	
Voltage resolution	0.1V	
Current resolution	Output <10A, resolution 0.001A; output 10A-100A, resolution 0.01A; Output 100A-1000A, resolution 0.1A; output ≥1000A, resolution 1A;	
Frequency resolution	0.01Hz	
Power regulation rate	≤1%	
Load stability	≤1%	
Load regulation rate	≤1%	
Frequency stability	0.01%	
Waveform distortion	≤1%(Pure resistance load,other resistance 3%)	
Measurement Accuracy	Voltage	0.5%FS+5dgt
	Current	0.5%FS+5dgt
set up Accuracy	frequency	0.01%FS+5dgt
	power	0.5%FS+5dgt
	Voltage	0.2%FS
Current limit setting	0-MAX Current	
storage	5 groups of storage: M1 (V/F/A), M2 (V/F/A), M3 (V/F/A), M4 (V/F/A), M5 (V/F/A)	
protect	Over Current, Over Temp, Over Load, Short Circuit	
cooling method	Forced cooling by fan	
Operating environment	0-40°C/10-90%RH	