

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
- Suitable for resistive, capacitive, inductive and other non-linear loads

Standard RS232 ☒ RS485 ☒ Synchronous signal output ☒

Model	APS51005	APS51008	APS51010	APS51015	APS51020	APS51030	APS51050	APS51075	APS51100
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	840A
	H=240V	21A	33.5A	42A	63A	84A	126A	208A	420A
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
	frequency	0.01%FS+5dgt
	power	0.5%FS+5dgt
set up Accuracy	Voltage	0.2%FS
	Current	0.1%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℃/10-90%RH

Model	Capacity	The output voltage	Output current (L120V/H240V)	Frequency	Size (W*H*D)	Weight (kg)
APS53005	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
APS53010	10KVA		28A/14A			130
APS53015	15KVA		42A/21A			160
APS53020	20KVA		58A/29A		1020*610*930	210
APS53030	30KVA		84A/42A		1140*730*930	280
APS53050	50KVA		140A/70A			360
APS53075	75KVA		210A/105A			510
APS53100	100KVA		280A/140A		1620*750*1200	660
APS53150	150KVA		420A/210A			710
APS53200	200KVA		588A/294A		1800*1050*1600	910
APS53300	300KVA		840A/420A			1200
APS53500	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		0.01V
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
	frequency	0.01%FS+5dgt
	power	0.5%FS+5dgt
set up Accuracy	Voltage	0.2%FS
	Current	0.1%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