

Programmable AC Power Source (Switching)

**【特點】**

- 使用先進的高頻電源技術設計，效率高達 80%
- 直接耦合輸出技術，體積小重量輕；4KVA 高度只有 22.2cm / 重 65kg
- 大型的 240 X 64 Graphic LCD 顯示器，可同時顯示 V, F, Arms, Apeak, P, PF, Time
- 測試中可以透過飛梭旋鈕 (Rotary Knob) 即時的調整顯示中的電壓 / 頻率輸出
- 可編程設計；可以設定輸出啓始角度 / 結束角度及模擬突波 (Surge) / 下陷波 (Drop)
- 可程式 50 個記憶組；內含 9 測試步驟，記憶組間可連結測試模擬各種負載的電源特性
- 可儲存呼叫 50 個記憶，且測試中可即時調整電壓/頻率的輸出記憶功能
- 針對被測物的壽命試驗，可設定自動測試循環的次數及以秒、分、時為單位的时间設定
- 高波峰因素 ≥ 3 ，具有超強輸出帶載能力
- 在惡劣輸出短路下仍可維持 1000ms 的過載維持時間不作保護
- 特殊的恆流裝置，可輕易啓動馬達、壓縮機等高啓動電流之負載
- 可選配 Remote I/P (7 組記憶) 介面自動化控制輸出或 GPIB / RS232 介面作控制
- 輸出過載、短路、過電壓、過功率及過溫度保護及警報

【Features】

- Utilize advance PWM technology with switching amplifier design, the efficiency up to at least 80%.
- Adopt direct couple output technology , compact in size and light weight. As small as 22.2cm height and 65kG weight for capacity of 4KVA.
- Large 240 X 64 Graphic LCD display for readouts of V, F, Arms, Apeak, P, PF and Time.
- Adjust voltage/frequency setting via Rotary Knob when output is turn ON.
- Programmable design: Capable to set the starting and ending angle/Surge/Drop cycle.
- Programmable 50 memories, 9 steps per memory, for interconnection between each step to simulate different testing condition of the DUT.
- Capable to store and recall 50 memories, as well as varying voltage/frequency when output is turn ON.
- For Aging or Life test on DUT, the user able to change the timer either in second, minute or hour.
- High crest factor . Capable to withstand inrush current ≥ 3 times of rate current.
- Able to protect against false judgment on high inrush current loads for 1000mS.
- There is a unique feature that able to turn on high inrush current loads such as motors and compressors.
- Optional Remote I/P (includes 7 memories recall) interface for automatic control or GPIB/RS232 interface control.
- Protections and alerts for overload, short circuit, over voltage, over power and over temperature.

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[Specification]

MODEL		6605	6610	6620	6640	
INPUT						
Phase		1Ø				
Voltage		110/220Vac±10%		220Vac±10%		
Frequency		47 ~ 63Hz				
OUTPUT						
AC						
Power rating		500VA	1000VA	2000VA	4000VA	
Max. Current (r.m.s)*1	0-150V	4.6A	9.2A	18.4A	36.8A	
	0-300V	2.3A	4.6A	9.2A	18.4A	
Max. Current (peak)	0-150V	13.8A	27.6A	55.2A	110.4A	
	0-300V	6.9A	13.8A	27.6A	55.2A	
Phase		1Ø/2W				
Total Harmonic Distortion (T.H.D)		<0.5% at 40 - 100Hz , <1% at 101-500Hz (Resistive Load)				
Crest Factor		≥3				
Line Regulation		± 0.1V				
Load Regulation		±(0.5% of output +0.5V) at Resistive Load				
Response Time		< 400usec				
SETTINGS						
Voltage	Range	0-300V, 150V/300V Auto Range				
	Resolution	0.1V				
	Accuracy	±(1% of setting + 2counts)				
Frequency	Range	40-500Hz Full Range Adjust				
	Resolution	0.1Hz at 40.0-99.9Hz , 1Hz at 100-500Hz				
	Accuracy	±0.03% of setting				
Starting & Ending Phase Angle	Range	0-360°				
	Resolution	1°				
	Accuracy	±1°(45 - 65HZ)				
DC (Option)						
Max. Power		250W	500W	1KW	2KW	
Max. Current	0-200V	2.3A	4.6A	9.2A	18.4A	
	0-400V	1.15A	2.3A	4.6A	9.2A	
SETTINGS						
Voltage	Range	0-200V / 0-400V Selectable				
	Resolution	0.1V				
	Accuracy	±(1% of setting + 2counts)				
Ripple and Noise (RMS)		Range : 0-200V <250mV			Range : 0-200V <350mV	
Ripple and Noise (p-p)		Range : 0-400V <400mV			Range : 0-400V <550mV	
Ripple and Noise (p-p)		<2Vp-p			<3.0Vp-p	
MEASUREMENT						
Voltage (AC & DC)	Range	0.0-400.0V				
	Resolution	0.1V				
	Accuracy	±(1% of reading + 2counts)				
Frequency	Range	0.0-500.0Hz				
	Resolution	0.1Hz				
	Accuracy	±0.1Hz				
Current (rms) (AC & DC)	Range	L	0.005A - 0.600A	0.005A - 1.200A	0.005A - 2.400A	-
		H	0.50A - 6.50A	1.00A - 13.00A	2.00A - 26.00A	0.00 - 52.00A
	Resolution	L	0.001A			
		H	0.01A			
	Accuracy	L	±(1% of reading +5counts)			
H	±(1% of reading +5counts)					
Current (peak)	Range	0.0 - 19.0A	0.0 - 38.0A	0.0 - 76.0A	0.0 - 152.0A	
	Resolution	0.1A				
	Accuracy	±(1% of reading + 5counts)				
Power	Range	L	0.0W - 60.0W	0.0W - 120.0W	0.0W - 240.0W	-
		H	50W - 650W	100W - 1300W	200W - 2600W	0 - 5200W
	Resolution	L	0.1W			
		H	1W			
	Accuracy	L	±(2% of reading +5counts)			
H	±(2% of reading +2counts)					
Power Factor	Range	0.000-1.000				

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MODEL		6605	6610	6620	6640
Power Factor	Resolution	0.001			
	Accuracy	W / VA ,Calculated and displayed to three significant digits			
GENERAL					
Remote Input Signal Interface(Optional)		Test, Reset, Recall memory 1 through 7			
Remote Output Signal		Pass, Fail ,Test-in Process			
Memory		50 memories, 9 steps/memory			
Sync Output Signal		DC Level 5V			
Timer		0=Continuous, 0.5-999.9 (Unit: sec, minute, hour selectable)			
Alarm Volume Setting		Range: 0-9 ;0=OFF, 1 is softest volume, 9 is loudest volume.			
Graphic Display		240 x 64 dot resolution Monographic LCD /Contrast 9 Levels 1-9			
Auto loop cycle		0=Continuous, OFF, 2~9999			
Over Current Fold Back		On/Off , Setting On when output current over setting Hi-A value it will fold back output voltage to keep constant output current is setting Hi-A value.			
High / Low Limit Protection		Arms, Apeak, P, PF			
Protection		OCP, OVP, OPP, OTP			
Efficiency		≥80%(at Full Load)			
Interface (Option)		GPIB / RS232, PLC Remote Input Card			
Operation Environment		0-40°C/20-80%RH			
Dimension (W x H x D, mm)		430 x 89 x 400	430 x 89 x 400	430 x 89 x 500	430 x 222 x 500
Net Weight		16.5kg	18.2kg	30kg	65kg

*1 At working voltage 110V/220V

product specifications are subject to change without notice.

[Ordering Information]

- 6605 Programmable AC Power Source 0-300V/40-500Hz (500VA)
- 6610 Programmable AC Power Source 0-300V/40-500Hz (1000VA)
- 6620 Programmable AC Power Source 0-300V/40-500Hz (2000VA)
- 6640 Programmable AC Power Source 0-300V/40-500Hz (4000VA)
- Opt.626 RS232 Interface card
- Opt.627 GPIB Interface card
- Opt.629 Input Voltage 100V / 200V for 6605 & 6610
- Opt.630 Input Voltage 120V / 240V for 6605 & 6610
- Opt.631 Input Voltage 200V for 6620 & 6640
- Opt.632 Input Voltage 240V for 6620 & 6640
- Opt.633 DC Output Function for 6605
- Opt.634 DC Output Function for 6610
- Opt.635 DC Output Function for 6620
- Opt.636 DC Output Function for 6640