

Programmable AC Power Source



【特點】

- 輸出容量：500VA - 5KVA
- 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：5KVA 高度只有 22.2cm / 重 65kg
- 大型的 240 X 64 Graphic LCD 顯示器，可同時顯示電壓、頻率、電流 (有效值 / 峰值)、功率、功率因數、時間
- 超強輸出波峰因數比，於滿電流的輸出狀態下可達 3 : 1
- 可程式 50 個記憶組；內含 9 測試步驟，記憶組及步驟可單獨設定迴圈，記憶組間亦可連結測試以模擬各種負載的電源特性
- 針對被測物的壽命試驗，可依需求設定以秒、分、時為測試執行時間單位
- 特殊的恆流裝置，可輕易啟動馬達、壓縮機等高啟動電流之負載
- 高啟動負載能力，浪湧電流可達額定電流的 4 倍，並可維持 1000ms 不切斷保護
- 選購遠端遙控輸入界面，可執行 Test / Reset 及 7 組記憶組 (M1 - M7) 快速輸出
- 輸出過電流、短路、過電壓、過功率及過溫度保護及警報
- 可編程設計：可以設定輸出起始角度、結束角度及模擬突波 (Surge)、下陷波 (Drop)
- 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
- 可選購 GPIB及USB & RS232 界面
- 選購直流輸出 0 - 400V 功能

【Features】

- Capacity : 500VA - 5KVA
- 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 5KVA
- Large 240 X 64 Graphic LCD display for readouts of V, F, Arms, Apeak, P, PF and Time
- Enhanced crest factor. The rate is up to 3:1 at rating current output
- Programmable 50 memories and 9 steps per memory, for interconnection between each step to simulate different test conditions of the DUT
- For Aging or Life test on DUT, the user able to change the timer either in second, minute or hour
- Unique regulation function in providing capability to turn on high inrush current loads such as motors and compressors
- Capable to withstand inrush current up to 4 times of rated current and able to maintain 1000ms without protection
- Optional PLC remote interface control, including TEST / RESET and recall 7 memories quick output
- Protections and alerts for over current, short circuit, over voltage, over power and over temperature
- Programmable design : Capable to set the starting and ending angle, Surge, Drop cycle
- Adjust voltage / frequency setting via Rotary Knob when output is turn ON
- Optional GPIB, USB & RS232 interface
- Optional DC output 0 - 400V

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[Specification]

MODEL		6605	6610	6620	6630	6650	
INPUT							
Phase		1Ø					
Voltage		110 / 220Vac ± 10%			220 ± 10%		
Frequency		47 - 63Hz					
Max. Current		10A / 5A	20A / 10A	20A	30A	50A	
Power Factor		0.7					
AC OUTPUT							
Max. Power		500VA	1000VA	2000VA	3000VA	5000VA	
Max. Current (r.m.s)*1	0 - 150V	4.6A	9.2A	18.4A	27.6A	46.0A	
	0 - 300V	2.3A	4.6A	9.2A	13.8A	23.0A	
Max Current (peak)	0 - 150V	18.4A	36.8A	73.6A	110.4A	184.0A	
	0 - 300V	9.2A	18.4A	36.8A	55.2A	92.0A	
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 + 2 counts)		± (1% of setting + 5 counts)			
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 - 359°					
	Resolution	1°					
	Accuracy	± 1° (45 - 65Hz)					
DC OUTPUT (Option)							
Max. Power		250W	500W	1000W	1500W	2500W	
Max. Current	0 - 200V	2.3A	4.6A	9.2A	13.8A	23.0A	
	0 - 400V	1.15A	2.3A	4.6A	6.9A	11.5A	
SETTINGS							
Voltage	Range	0 - 200V / 0-400V Selectable					
	Resolution	0.1V					
	Accuracy	± (1% of setting + 2 counts)		± (1% of setting + 5 counts)			
Ripple and Noise (r.m.s)	Range	L	< 250mV		< 350mV		
		H	< 400mV		< 550mV		
Ripple and Noise (p-p)		< 2Vp-p			< 3Vp-p		
MEASUREMENT							
Voltage (AC & DC)	Range	0.0 - 400.0V					
	Resolution	0.1V					
	Accuracy	± (1% of setting + 2 counts)		± (1% of setting + 5 counts)			
Frequency	Range	0.0 - 500.0Hz					
	Resolution	0.1Hz					
	Accuracy	± 0.1Hz					
Current (r.m.s)	Range	L	0.005A - 0.600A	0.005A - 1.200A	0.005A - 2.400A	2.00A - 3.600A	-
		H	0.50A - 6.50A	1.00A - 13.00A	2.00A - 26.00A	3.00A - 39.00A	0.00 - 65.00A
	Resolution	L	0.001A				
		H	0.01A				
	Accuracy	L	± (1% of reading + 5 counts)			± (1% of reading + 5 counts) at 40 - 100Hz ± (2% of reading + 5 counts) at 101 - 500Hz	
		H	± (1% of reading + 5 counts)				
Current (peak)	Range	0.0 - 19.0A	0.0 - 38.0A	0.0 - 76.0A	0.0 - 114.0A	0.0 - 190.0A	
	Resolution	0.1A					
	Accuracy	± (1% of reading + 5 counts)					
Current (DC)	Range	L	0.010A - 0.600A	0.010A - 1.200A	0.010A - 2.400A	0.010A - 3.600A	-
		H	0.50A - 6.50A	1.00A - 13.00A	2.00A - 26.00A	3.00A - 39.00A	0.05A - 65.00A
	Resolution	L	0.001A				
		H	0.01A				
	Accuracy	L	± (1% of reading + 5 counts)			-	
		H	± (1% of reading + 5 counts)				

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[Specification]

MODEL		6605	6610	6620	6630	6650	
Power (AC)	Range	L	0.0W - 60.0W	0.0W - 120.0W	0.0W - 240.0W	0.0W - 360W	-
		H	50W - 650W	100W - 1300W	200W - 2600W	300 - 3900W	0 - 6500W
	Resolution	L	0.1W				-
		H	1W				-
	Accuracy	L	± (2% of reading + 15 counts)		± (2% of reading + 30 counts)	± (2% of reading + 15 counts) at PF>=0.2 & 40 - 100Hz ± (2% of reading + 15 counts) at PF>=0.5 & 101 - 500Hz ± (2% of reading + 45 counts) at PF >= 0.2 ~ <= 0.5 and 101 - 500Hz	
		H	± (2% of reading + 5 counts)		± (2% of reading + 10 counts)	± (2% of reading + 5 counts)	
Power (DC)	Range	L	0.0W - 60.0W	0.0W - 120.0W	0.0W - 240.0W	0.0W - 360W	-
		H	50W - 650W	100W - 1300W	200W - 2600W	300 - 3900W	0 - 6500W
	Resolution	L	0.1W				-
		H	1W				-
Accuracy	L	± (2% of reading + 5 counts)				-	
	H	± (2% of reading + 5 counts)				-	
Power Factor	Range	0.000 - 1.000					
	Resolution	0.001					
	Accuracy	W / VA, Calculated and displayed to three significant digits					
GENERAL							
Remote Input Signal Interface (Option)		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					
Efficiency		≥ 80% (at Full Load)					
Protection		Over Current, Short Circuit, Over Temperature, Over Voltage, Over Power, and Alarm					
Calibration		Front Panel Calibration					
Interface (Option)		GPIB, USB & RS232, PLC Remote Input Card					
Operation Environment		0 - 40°C / 20-80%RH					
Dimension, mm*2	W	430	430	430	430	430	
	H	89 (111.5)	89 (111.5)	89 (111.5)	223 (245.5)	223 (245.5)	
	D	400	400	500	500	500	
Net Weight		16.5Kg	18.2Kg	30Kg	57Kg	65Kg	

*1 At working voltage 110V / 220V

*2 Figure in parentheses are maximum values

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)
- 6630 Programmable AC Power Source 0 - 300V / 40 - 500Hz (3000VA)
- 6650 Programmable AC Power Source 0 - 300V / 40 - 500Hz (5000VA)
- Opt.612 PLC Remote I / P Interface
- 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 & 6630
- Opt.632 Input Voltage 240V for 6620 & 6630 & 6650
- Opt.633 DC Output Function for 6605
- Opt.634 DC Output Function for 6610
- Opt.635 DC Output Function for 6620
- Opt.643 USB & RS232 PC Control Card
- Opt.651 DC Output Function for 6630
- Opt.652 DC Output Function for 6650
- 1936 AC Power Source Remote Controller