

High Power Programmable AC Power Source



【特點】

- 輸出容量 : 10KVA - 60KVA
- 全系列採用 IGBT / PWM 脈寬調變技術設計 (Switching)
- 三相輸入可內倉輸入功率因數改善線路 (PFC)，有 PFC 時功率因數 > 0.95
- 單相可程式輸出
- 輸出電壓 0 - 300V 及頻率 47 - 63Hz 設定全範圍可調，另可選購電壓 0 - 600V 輸出
- 高電力密度設計、體積小、重量輕
- 4 組大型 LED 顯示器，可同時顯示輸出頻率、電壓、電流、功率 / 功率因數量測數值
- 在阻性負載下波形失真小於 1%
- 超強輸出波峰因數比，於滿電流的輸出狀態下可達 3 : 1
- 暫態反應快，在瞬間加重載或除載時波形可於 2mSec 內回復
- 全範圍輸出電壓的穩壓率可達 0.5%
- 內建 8 個程式記憶組，每組內倉 5 個程式記憶步驟
- 可執行自動循環測試，最高可執行 999900 次
- 特殊的恆流裝置，可輕易啓動馬達、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 3 倍，並可維持 1000ms 不切斷保護
- 可設定當加載電流超過上限電流設定值時：維持設定值電流恆定輸出 (反應時間 < 700mSec)
- 內建遠端遙控輸入界面，可執行 Test / Reset 及 P1、P2、P3 三組程式記憶的遙控輸出
- 輸出過電流、短路、過電壓、過溫度保護及警報
- 前面板可輸出小容量 (15A) 負載輸出萬用插座，適合各種被測物的電源插頭
- 標準 RS232 & USB 界面，可選購 GPIB 界面

【Features】

- Capacity : 10KVA - 60KVA
- Utilize IGBT / PWM technology with switching amplifier design
- Built-in Input Power Factor Correction for three phase input only (PF > 0.95)
- Programmable single phase output
- Adjustable AC output voltage 0 - 300V / frequency 47 - 63HZ. Be able to option output voltage 0 - 600Vac
- High power, compact design and light in weight
- 4 groups of digital LED displays - View Frequency, Voltage, Current and Power / Power Factor
- Waveform distortion less than 1% on resistance load
- Enhanced crest factor. The rate is up to 3 : 1 at rating current output
- Fast recovering time, 2 milliseconds
- Line and load regulation maintains the output voltage within 0.5% of setting
- Storage up to 8 memories with 5 steps per memory
- Auto loop cycle, up to 999900 cycles
- 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 3 times of rated current and able to maintain 1000ms without protection
- Over Current Fold Back Mode (Response time < 700mSec)
- Built-in PLC remote interface control, including TEST / RESET and recall 3 memories setting, P1, P2 and P3
- Protections and alerts for over current, short circuit, over voltage and over temperature
- Universal output sockets (15A) on front panel
- Standard USB & RS232 interface, optional GPIB interface

6500 系列

高功率可程式交流電源供應器

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[Specification]

MODEL	6510	6520	6530	6540	6560		
INPUT							
Phase ^{*1}							
Voltage							
Frequency			47 - 63Hz				
Max. Current ^{*2} (approx)	25A	50A	75A	100A	150A		
Power Factor			0.8				
AC OUTPUT							
Max. Power	10KVA	20KVA	30KVA	40KVA	60KVA		
Max. Current (r.m.s) ^{*3}	0 - 150V	84.0A	168.0A	252.0A	336.0A		
	0 - 300V	42.0A	84.0A	126.0A	168.0A		
Max. Current (r.m.s)	0 - 300V	42.0A	84.0A	126.0A	168.0A		
(Option 0 - 600V) ^{*4}	0 - 600V	21.0A	42.0A	63.0A	84.0A		
Phase		1Ø / 2W					
Total Harmonic Distortion (T.H.D)		<1% at output voltage within the 100 - 140V at Low Range or the 200 - 280V at High Range <1.2% at output voltage within the 200 - 280V at Low Range or the 400 - 560V at High Range (Option 0 - 600V) <1.2% for < 47Hz at output voltage within the 100V - 140V at Low Range or the 200 - 280V at High Range (Option 45 - 500Hz) <1% for ≥ 47Hz at output voltage within the 100V - 140V at Low Range or the 200 - 280V at High Range (Option 45 - 500Hz) <1.5% for < 47Hz at output voltage within the 200 - 280V at Low Range or the 400 - 560V at High Range (Option 0 - 600V & 45 - 500Hz) <1.2% for ≥ 47Hz at output voltage within the 200 - 280V at Low Range or the 400 - 560V at High Range (Option 0 - 600V & 45 - 500Hz)					
Crest Factor		≥ 3					
Line Regulation		± 0.1V					
Load Regulation		± (0.5% of output + 0.5V) at Resistive Load					
Response Time		< 2 msec					
SETTINGS							
Voltage	Range	0 - 150V / 0 - 300V Selectable or 0 - 300V / 0 - 600V Selectable (Option 0 - 600V)					
	Resolution	0.1V					
	Accuracy ^{*6}	± (1% of setting + 2 counts)					
Frequency	Range	47.0 - 63.0Hz Full Range Adjust					
	Resolution	0.1Hz					
	Accuracy	± 0.02% of setting					
MEASUREMENT							
Voltage	Range	0.0 - 300.0V / 0.0 - 600.0V					
	Resolution	0.1V / 0.2V					
	Accuracy	± (1% of reading + 2counts) at Voltage > 5V					
Frequency	Range	47.0 - 500.0Hz					
	Resolution	0.1Hz					
	Accuracy	± 0.1Hz					
Current (r.m.s)	Range	L	0.00 - 35.00A		0.0 - 350.0A		
		H	30.0 - 350.0A		300 - 3500A		
	Resolution	L	0.01A		0.1A		
		H	0.1A		1A		
Current (r.m.s) (Option 0-600V)	Accuracy	L	± (1% of reading + 2counts) at Voltage > 5V		± (1% of reading + 2counts) at Voltage > 5V		
		H	± (1% of reading + 1count) at Voltage > 5V				
	Range	L	0.00 - 35.00A				
		H	30.0 - 350.0A				
	Resolution	L	0.01A				
		H	0.1A				
	Accuracy	L	± (1% of reading + 2counts) at Voltage > 10V				
		H	± (1% of reading + 1count) at Voltage > 10V				
Power	Range	L	0.000 - 3.500KW		0.00 - 35.00KW		
		H	3.00 - 40.00KW		30.0 - 350.0KW		
	Resolution	L	0.001KW		0.01KW		
		H	0.01KW		0.1KW		
	Accuracy	L	± (1.5% of reading + 5counts) at Voltage > 5V				
		H	± (1.5% of reading + 1count) at Voltage > 5V				
Power Factor	Range	0.000 - 1.000					
	Resolution	0.001					
	Accuracy	W / V x A, Calculated and displayed to three significant digits					

安規測試

交流電源

直流電子負載

附件

High Power Programmable AC Power Source

MODEL	6510	6520	6530	6540	6560
GENERAL					
PLC Remote	I / P : ON / OFF, P1, P2, P3, O / P : Sync				
Memory	8 Memoies, 5steps per memory for Voltage, Frequency, Test Time, Delay time and Current, Power, Power Factor Hi, Lo Limit setting				
Timer	0 = Continuous, 1 - 9999 (Unit : sec, minute, hour selectable)				
Auto Loop Cycle	0 = Continuous, OFF = Loop Once, 2 - 9999 (Unit : x1, x10, x100)				
Auto Voltage Adjust	Enable it for improve voltage regulation within ± 0.1V				
Efficiency	≥ 85% (at Full Load)				
Protection	Over Current, Short Circuit, Over Temperature, Over Voltage, Over Power, Low Voltage and Alarm				
Calibration	Front Panel Calibration				
Interface (Option)	GPIB				
Operation Environment	0 - 40°C / 20 - 80%RH				
Dimension, mm ^{*5}	W	430	430	600	600
	H	472 (579)	732 (839)	972 (1079)	972 (1079)
	D	650 (730)	650 (730)	900 (980)	900 (980)
Dimension (PFC), mm ^{*5}	W	430	430	600	600
	H	602 (709)	732 (839)	972 (1079)	972 (1079)
	D	650 (730)	650 (730)	900 (980)	900 (980)
Net Weight	150Kg				
Net Weight (PFC)	226Kg				

^{*1} No PFC function can be optioned for 1Ø input models^{*2} Product specifications are subject to change without notice.^{*2} Max. Current without PFC Function^{*3} At working voltage 120V / 240V^{*4} At working voltage 240V / 480V^{*5} Figure in parentheses are maximum values^{*6} When output voltage < 30V, ADJ = ON can be meet this spec.

[Ordering Information]

- 6510 High Power Programmable AC Power Source 0 - 300V / 47 - 63HZ (10KVA)
- 6510 High Power Programmable AC Power Source 0 - 300V / 47 - 63HZ (10KVA) with PFC
- 6520 High Power Programmable AC Power Source 0 - 300V / 47 - 63HZ (20KVA)
- 6520 High Power Programmable AC Power Source 0 - 300V / 47 - 63HZ (20KVA) with PFC
- 6530 High Power Programmable AC Power Source 0 - 300V / 47 - 63HZ (30KVA)
- 6530 High Power Programmable AC Power Source 0 - 300V / 47 - 63HZ (30KVA) with PFC
- 6540 High Power Programmable AC Power Source 0 - 300V / 47 - 63HZ (40KVA)
- 6540 High Power Programmable AC Power Source 0 - 300V / 47 - 63HZ (40KVA) with PFC
- 6560 High Power Programmable AC Power Source 0 - 300V / 47 - 63HZ (60KVA)
- 6560 High Power Programmable AC Power Source 0 - 300V / 47 - 63HZ (60KVA) with PFC
- Opt.606 GPIB Interface Card
- Opt.608 600V AC Output for 6510 & 6520
- Opt.609 600V AC Output for 6530, 6540 & 6560
- Opt.616 Output Frequency 45 - 500Hz Full Range Adjust for 6510
- Opt.643 USB & RS232 PC Control Card
- Opt.650 Remote Sensing
- 1936 AC Power Source Remote Controller