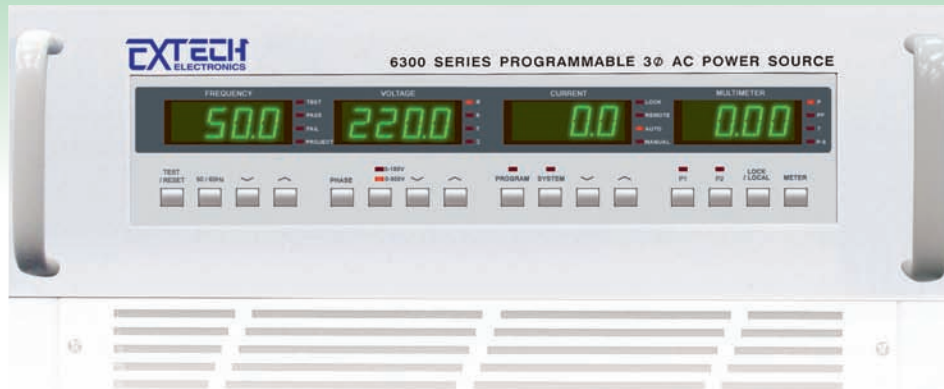


High Power Programmable 3 Phase AC Power Source



【特點】

- 輸出容量：9KVA - 180KVA
- 全系列採用 IGBT / PWM 脈寬調變技術設計 (Switching)
- 三相輸入可內含輸入功率因數改善線路 (PFC)，有 PFC 時功率因數 > 0.95
- 三相可程式輸出
- 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，每組內含 5 個程式記憶步驟
- 可執行自動循環測試，最高可執行 999900 次
- 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 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 : 9KVA - 180KVA
- Utilize IGBT / PWM technology with switching amplifier design
- Built-in Input Power Factor Correction for three phase input only (PF > 0.95)
- Programmable three 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
- 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 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

High Power Programmable 3 Phase AC Power Source

[Specification]

MODEL	6309	6315	6330	6360	6390	63120	63150	63180	
INPUT									
Phase*1	3Ø4W								
Voltage	220 (L-N) / 380Vac (L-L) ±10%								
Frequency	47 - 63Hz								
Max. Current*2 (approx)	25A	40A	75A	150A	230A	300A	375A	450A	
Power Factor	0.8								
AC OUTPUT									
Max. Power	Single - Phase	3KVA	5KVA	10KVA	20KVA	30KVA	40KVA	50KVA	60KVA
	Total Power	9KVA	15KVA	30KVA	60KVA	90KVA	120KVA	150KVA	180KVA
Max. Power (Option Single Phase 3 Wire)	Single-Phase	3KVA	5KVA	10KVA	20KVA	30KVA	40KVA	50KVA	60KVA
	Total Power	6KVA	10KVA	20KVA	40KVA	60KVA	80KVA	100KVA	120KVA
Max. Current (r.m.s), Single-Phase*3	0 - 150V	25.2A	42.0A	84.0A	168.0A	252.0A	336.0A	420.0A	504.0A
	0 - 300V	12.6A	21.0A	42.0A	84.0A	126.0A	168.0A	210.0A	252.0A
Max. Current (r.m.s), Single-Phase (Option 0 - 600V)*4	0 - 300V	12.6A	21.0A	42.0A	84.0A	126.0A	168.0A	210.0A	252.0A
	0 - 600V	6.3A	10.5A	21.0A	42.0A	63.0A	84.0A	105.0A	126.0A
Phase	3Ø / 4W								
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	L - N : ± (0.5% of output + 0.5V) / L - L : ± (1% of output + 1V) at Resistive Load								
Deviation of phase angle	120° ≤ ± 1° at Load Balance, 120° ≤ ± 2.5° at 100% Load Unbalance								
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 + 2counts)							
Frequency	Range	47.0 - 63.0Hz Full Range Adjust							
	Resolution	0.1Hz							
	Accuracy	±0.02% of setting							
MEASUREMENT									
Voltage	L - N Range	0.0 - 300.0V / 0.0 - 600.0V							
	L - L Range	0.0 - 520.0V / 0.0 - 1040V							
	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	0.000 - 3.500A	0.00 - 35.00A				0.0 - 350.0A	
		H	3.00 - 35.00A	30.0 - 350.0A				300 - 504A	
	Resolution	L	0.001A	0.01A				0.1A	
		H	0.01A	0.1A				1A	
	Accuracy	L	± (1% of reading + 5counts) at Voltage > 5V						
		H	± (1% of reading + 1count) at Voltage > 5V						
Current (r.m.s) (Option 0-600V)	Range	L	0.000 - 3.500A	0.00 - 35.00A				0.00 - 35.00KW	
		H	3.00 - 35.00A	30.0 - 350.0A				30.0 - 60.0KW	
	Resolution	L	0.001A	0.01A				0.01KW	
		H	0.01A	0.1A				0.1KW	
	Accuracy	L	± (1% of reading + 5counts) at Voltage > 10V						
		H	± (1% of reading + 1count) at Voltage > 10V						
Power	Range	L	0.0 - 350.0W	0.000 - 3.500KW				0.00 - 35.00KW	
		H	300 - 4000W	3.00 - 40.00KW				30.0 - 60.0KW	
	Resolution	L	0.1W	0.001KW				0.01KW	
		H	1W	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							

High Power Programmable 3 Phase AC Power Source

MODEL	6309	6315	6330	6360	6390	63120	63150	63180	
GENERAL									
PLC Remote	I / P : ON / OFF, P1, P2, P3, O / P : Sync								
Memory	8 Memoies, 5 steps 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 $\pm 0.1V$								
Efficiency	$\geq 80\%$ (at Full Load)	$\geq 85\%$ (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	800	1200	1200	1600	1600
	H	732 (839)	732 (839)	842 (949)	1557 (1707)	1557 (1804)	1557 (1804)	1800	1800
	D	650 (730)	650 (730)	900 (980)	900 (980)	900 (980)	900 (980)	1100	1100
Dimension (PFC), mm ^{*5}	W	600	600	600	800	1200	1200	-	-
	H	732 (839)	732 (839)	842 (949)	1557 (1707)	1557 (1804)	1557 (1804)	-	-
	D	900 (980)	900 (980)	900 (980)	900 (980)	900 (980)	1100 (1180)	-	-
Net Weight	171Kg	207Kg	366Kg	497Kg	820Kg	1300Kg	1800Kg	2100Kg	
Net Weight (PFC)	250Kg	311Kg	530Kg	770Kg	1200Kg	1800Kg	-	-	

*1 No PFC function can be optioned for 1Ø input models

*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.

*Product specifications are subject to change without notice.

[Ordering Information]

- 6309 High Power Programmable 3 Phase AC Power Source 0 - 300V / 47 - 63HZ (9KVA)
- 6309 High Power Programmable 3 Phase AC Power Source 0 - 300V / 47 - 63HZ (9KVA) with PFC
- 6315 High Power Programmable 3 Phase AC Power Source 0 - 300V / 47 - 63HZ (15KVA)
- 6315 High Power Programmable 3 Phase AC Power Source 0 - 300V / 47 - 63HZ (15KVA) with PFC
- 6330 High Power Programmable 3 Phase AC Power Source 0 - 300V / 47 - 63HZ (30KVA)
- 6330 High Power Programmable 3 Phase AC Power Source 0 - 300V / 47 - 63HZ (30KVA) with PFC
- 6360 High Power Programmable 3 Phase AC Power Source 0 - 300V / 47 - 63HZ (60KVA)
- 6360 High Power Programmable 3 Phase AC Power Source 0 - 300V / 47 - 63HZ (60KVA) with PFC
- 6390 High Power Programmable 3 Phase AC Power Source 0 - 300V / 47 - 63HZ (90KVA)
- 6390 High Power Programmable 3 Phase AC Power Source 0 - 300V / 47 - 63HZ (90KVA) with PFC
- 63120 High Power Programmable 3 Phase AC Power Source 0 - 300V / 47 - 63HZ (120KVA)
- 63120 High Power Programmable 3 Phase AC Power Source 0 - 300V / 47 - 63HZ (120KVA) with PFC
- 63150 High Power Programmable 3 Phase AC Power Source 0 - 300V / 47 - 63HZ (150KVA)
- 63180 High Power Programmable 3 Phase AC Power Source 0 - 300V / 47 - 63HZ (180KVA)
- Opt.606 GPIB Interface Card
- Opt.608 600V AC Output for 6309 & 6315
- Opt.609 600V AC Output for 6330 & 6360
- Opt.610 600V AC Output for 6390 & 63120
- Opt.615 Output Frequency 45 - 500Hz Full Range Adjust for 6309
- Opt.616 Output Frequency 45 - 500Hz Full Range Adjust for 6315
- Opt.617 Output Frequency 45 - 500Hz Full Range Adjust for 6330
- Opt.619 Output Frequency 400Hz for 6309
- Opt.637 Single Phase 3 Wire Output (L1 / L2 / N) for 6300
- Opt.643 USB & RS232 PC Control Card
- Opt.649 600V AC Output for 63150 & 63180
- Opt.650 Remote Sensing
- 1936 AC Power Source Remote Controller