

High Power 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)
- 三相輸入可內含輸入功率因數改善線路 (PFC)，有 PFC 時功率因數 > 0.95
- 單相輸出
- 全範圍可調輸出電壓及頻率設定範圍 (0 - 300V ; 47 - 63HZ)
- 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%
- 具備 3 組記憶組，記憶電壓、頻率和上限電流限值
- 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)
- 內建遠端遙控界面，可執行 Test / Reset 及 M1、M2、M3 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

【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)
- Single phase output
- Adjustable AC output voltage 0 - 300V / frequency 47 - 63HZ
- 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
- 3 memories. Able to store voltage, frequency and current high limit setting
- 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, M1, M2 and M3
- Protections and alerts for over current, short circuit, over voltage and over temperature
- Universal output sockets (15A) on front panel

[Specification]

MODEL		6410	6420	6430	6440	6460
INPUT						
Phase*1		3Ø				
Voltage		220 / 380Vac ± 10%				
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	504.0A
	0 - 300V	42.0A	84.0A	126.0A	168.0A	252.0A
Max. Current (r.m.s) (Option 0-600V)*4	0 - 300V	42.0A	84.0A	126.0A	168.0A	252.0A
	0 - 600V	21.0A	42.0A	63.0A	84.0A	126.0A
Phase		1Ø / 2W				
Total Harmonic Distortion (T.H.D)		< 1% at 47 - 63Hz (Resistive Load) / < 1% at 45 - 500Hz (Resistive Load) for Opt.45 - 500Hz & Opt. 400Hz				
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	± (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*6	± (1% of reading + 2 counts)				
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
	Accuracy	L	± (1% of reading + 2 counts)			± (1% of reading + 2 counts)
		H	± (1% of reading + 1 count)			
Current (r.m.s) (Option 0-600V)	Range	L	0.00 - 35.00A			
		H	30.0 - 350.0A			
	Resolution	L	0.01A			
		H	0.1A			
	Accuracy	L	± (1% of reading + 2 counts)			
		H	± (1% of reading + 1 count)			
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 + 5 counts)			
		H	± (1.5% of reading + 1 count)			
Power Factor	Range	0.000 - 1.000				
	Resolution	0.001				
	Accuracy	W / V x A, Calculated and displayed to three significant digits				
GENERAL						
PLC Remote		I / P : ON / OFF, M1, M2, M3, O / P : Processing				
Memory		3 memories (M1, M2, M3)				
Auto Voltage Adjust		Enable it for improve voltage regulation within ± 0.1V				

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MODEL		6410	6420	6430	6440	6460
Efficiency		≥ 85% (at Full Load)				
Protection		Over Load, Short Circuit, Over Temperature, Over Voltage, Over Power and Alarm				
Calibration		Front Panel Calibration				
Operation Environment		0 - 40°C / 20 - 80%RH				
Dimension, mm*5	W	430	430	600	600	800
	H	472 (579)	732 (839)	972 (1079)	972 (1079)	1557 (1707)
	D	650 (730)	650 (730)	900 (980)	900 (980)	900 (980)
Dimension (PFC), mm*5	W	430	430	600	600	800
	H	602 (709)	732 (839)	972 (1079)	972 (1079)	1557 (1707)
	D	650 (730)	650 (730)	900 (980)	900 (980)	900 (980)
Net Weight		150Kg	216Kg	372Kg	402Kg	497Kg
Net Weight (PFC)		226Kg	346Kg	536Kg	600Kg	770Kg

*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 this spec

product specifications are subject to change without notice.

【Ordering Information】

- 6410 High Power AC Power Source 0 - 300V / 47 - 63HZ (10KVA)
- 6410 High Power AC Power Source 0 - 300V / 47 - 63HZ (10KVA) with PFC
- 6420 High Power AC Power Source 0 - 300V / 47 - 63HZ (20KVA)
- 6420 High Power AC Power Source 0 - 300V / 47 - 63HZ (20KVA) with PFC
- 6430 High Power AC Power Source 0 - 300V / 47 - 63HZ (30KVA)
- 6430 High Power AC Power Source 0 - 300V / 47 - 63HZ (30KVA) with PFC
- 6440 High Power AC Power Source 0 - 300V / 47 - 63HZ (40KVA)
- 6440 High Power AC Power Source 0 - 300V / 47 - 63HZ (40KVA) with PFC
- 6460 High Power AC Power Source 0 - 300V / 47 - 63HZ (60KVA)
- 6460 High Power AC Power Source 0 - 300V / 47 - 63HZ (60KVA) with PFC
- Opt.608 600V AC Output for 6410 & 6420
- Opt.609 600V AC Output for 6430, 6440 & 6460
- Opt.616 Output Frequency 45 - 500Hz Full Range Adjust for 6410
- Opt.620 Output Frequency 400Hz for 6410 & 6420
- Opt.621 Output Frequency 400Hz for 6430, 6440 & 6460
- Opt.640 CE / TUV Mark for 6420 with PFC Function