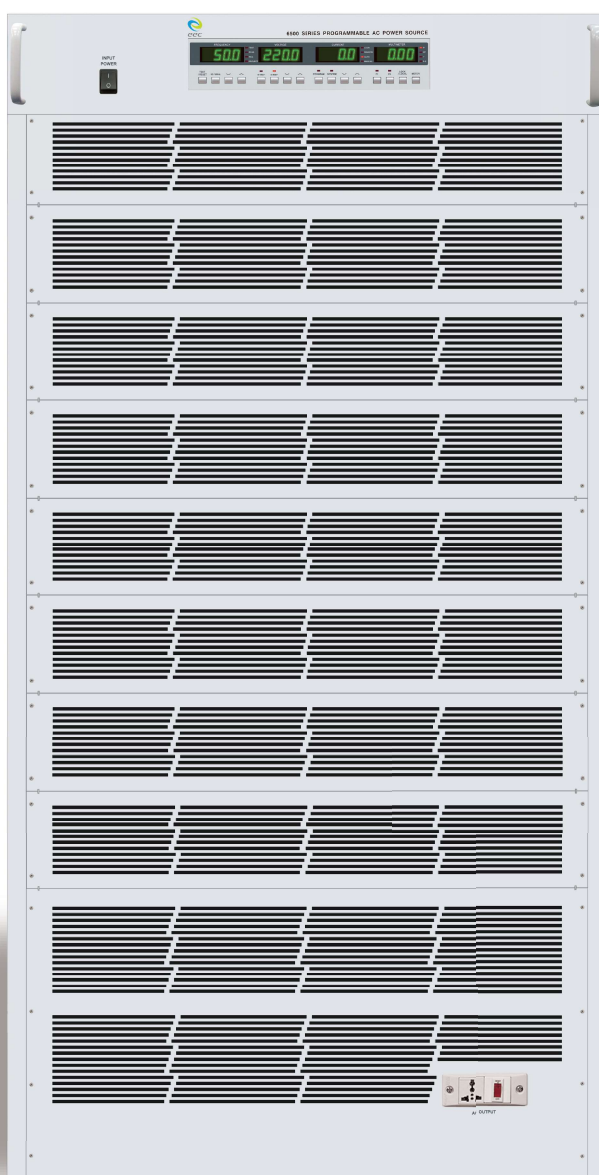


DATASHEET

6500 系列高功率可编程 式交流电源

新世代、新電能



* 6560

6500系列可編程高功率單相交流電源最高可達80kVA輸出，可選配600V電壓輸出並搭配全範圍頻率47-63Hz可調，以達到所有供電系統環境模擬，多種相容通訊界面便於組成遠端操控功能。

功能特色

- 可設定緩升時間和緩降時間，讓配電時間的安排更具彈性，掌控度更高
- 可選配 350V 或 600V 電壓輸出，以確保超高電壓需求產品的相容性，例如電動馬達
- 可選配寬廣範圍輸出頻率，頻率從360-440Hz 和 760 – 840 Hz。廣域的頻率使其涵蓋了航太測試的要求。
- 內建功率因數改善設計可達 $PF > 0.95$ ，節省能源。
- EEC獨有技術"過載電流恆定輸出功能" (OCF)，自動調整電壓輸出來確保電流維持恆定值，持續至產品穩定運轉。
- 內建8個程式記憶組，每組內含5個程式記憶步驟，便於設定與測試不同條件。不同產品的測試，可以快速切換記憶的參數，立即執行測試。
- 6300輸出的總諧波失真(THD)低於1%，提供完美的電力輸出波型，符合使用者嚴格的要求。
- 於既有的USB、RS-232和GPIB通訊介面上，增加BNC連接器，提供額外的遠距控制選擇，以便連結至負責集中管理的電腦



Model	6510	6520	6530	6540	6560	6580	
OUTPUT							
Phase	1 Ø						
Power Rating	10 kVA	20 kVA	30 kVA	40 kVA	60 kVA	80 kVA	
Voltage	Range	0 - 150V/0 - 300V or 0 - 175V/0 - 350V Selectable (Optional 0 - 350V) or 0 - 300V/0 - 600V Selectable (Optional 0 - 600V)					
	Resolution Accuracy ¹	0.1 V ± (1% of setting + 2 counts)					
Max. Current (r.m.s) ²	0 - 150 V	84.0 A	168.0 A	252.0 A	336.0 A	504.0 A	672.0A
	0 - 300 V	42.0 A	84.0 A	126.0 A	168.0 A	252.0 A	336.0A
Max. Current (r.m.s) ³ for option 0 - 350 V	0 - 175 V	72.0 A	144.0 A	216.0 A	288.0 A	432.0 A	576.0A
	0 - 350 V	36.0 A	72.0 A	108.0 A	144.0 A	216.0 A	288.0A
Max. Current (r.m.s) ⁴ for option 0 - 600 V	0 - 300 V	42.0 A	84.0 A	126.0 A	168.0 A	252.0 A	336.0A
	0 - 600 V	21.0 A	42.0 A	63.0 A	84.0 A	126.0 A	168.0A
Frequency ⁵	Range	45.0 - 70.0Hz/45.0 - 500.0Hz (Optional 45 - 500Hz)/360 - 440, 760 - 840Hz (Optional 400/800Hz) Full Range Adjust					
	Resolution	0.1 Hz / 1 Hz					
	Accuracy	± 0.02% of setting					
Total Harmonic Distortion (THD) ⁶	< 1% for 110 / 220V, 50 / 60Hz for 300V and Option 350V at Resistive Load < 1.2% for 220 / 440V, 50 / 60Hz for Option 600V at Resistive Load						
Inrush Current Crest Factor	3 times rated Current(r.m.s) 3 times rated Current(r.m.s)						
Line Regulation	± 0.1 V						
Load Regulation	± (0.5% of output + 0.5 V) at Resistive Load						
Ramp up / Ramp down	Range	0.1 - 999.9s					
	Resolution	0.1s					
	Accuracy	± (0.1% of setting + 0.2s)					
INPUT							
Phase	3Ø4W						
Voltage	220 (L - N) / 380 Vac (L - L) ±10%						
Max. Current ⁷	25 A	50 A	75 A	100 A	150 A	200 A	
Frequency	47 - 63 Hz						
Power Factor	0.8						
MEASUREMENT							
Voltage	Range	0.0 - 300.0 V / 0.0 - 600.0 V					
	Resolution	0.1 V / 0.2 V					
	Accuracy	± (1% of reading + 2 counts) at Voltage > 5 V					
Current	Range	L	0.00 - 35.00 A		0.0 - 350.0 A		
		H	30.0 - 350.0 A		300 - 504 A		
	Resolution ⁸	L	0.01 A		0.1 A		
		H	0.1 A		1 A		
	Accuracy	L	± (1% of reading + 5 counts) ⁹				
		H	± (1% of reading + 1 count) ⁹				
Current (Optional 0 - 600 V)	Range	L	0.00 - 35.00 A		0.0 - 350.0 A		
		H	30.0 - 350.0 A		300 - 504 A		
	Resolution ⁸	L	0.01 A		0.1 A		
		H	0.1 A		1 A		
	Accuracy	L	± (1% of reading + 5 counts) ⁹				
		H	± (1% of reading + 1 count) ⁹				
Frequency	Range	45.0 - 850.0 Hz					
	Resolution	0.1 Hz					
	Accuracy	±0.1 Hz					
Power	Range	L	0.000 - 3.500 kW		0.00 - 35.00 kW		
		H	3.00 - 40.00 kW		30.0 - 80.0 kW		
	Resolution	L	0.001kW		0.01KW		
		H	0.01kW		0.1KW		
	Accuracy	L	± (1.5% of reading + 5counts) at Voltage > 5 V (1.5% of reading + 5counts) at Voltage > 5 V				
		H	± (1.5% of reading + 1count) at Voltage > 5 V				
General							
Remote Input Signal Interface	ON / OFF, P1, P2, P3						
Memory	8 Memory Set, 5steps per memory for Voltage, Frequency, Test Time, Delay time and Current, Power, Hi, Lo Limit setting						
Sync Output Signal	Yes						
Display	4 group pf digital LED displays						
Protection Interface ¹⁰	OCP, OVP, OPP, OTP, LVP, Short Circuit ; Alarm and shutdown						
Operation Environment	Standard USB & RS232, Option GPIB & Analog card 0 - 40° C / 20 - 80% RH						
Dimension (W x H x D), mm ¹¹	430 x 472 (579) x 650 (730)	430 x 732 (839) x 650 (730)	600 x 972 (1079) x 900 (980)	600 x 972 (1079) x 900 (980)	800 x 1557 (1662) x 900 (980)	800 x 1557 (1662) x 900 (980)	
Dimension (PFC)(W x H x D), mm ¹¹	430 x 602(709) x 650 (730)	430 x 732 (839) x 650 (730)	600 x 972 (1079) x 900 (980)	600 x 972 (1079) x 900 (980)	800 x 1557 (1662) x 900 (980)	800 x 1557 (1662) x 900 (980)	
Weight	128 kg	198 kg	397 kg	450 kg	600 kg	800 kg	
Weight (PFC)	228 kg	350 kg	592 kg	663 kg	885 kg	1000 kg	

1. When output voltage < 30 V, ADJ = ON can be meet this spec.
2. Maximum current when output voltage at 120 / 240 V
3. Maximum current when output voltage at 140 / 280 V
4. Maximum current when output voltage at 240 / 480 V
5. Only one option can be selected among optional output frequency 45 - 500Hz and 400 / 800Hz
6. < 1.2% for < 47Hz at output voltage within the 110 - 140 V at Low Range or the 220 - 280 V at High Range (incl. 45 - 500Hz)
 - < 1% for ≥ 47 Hz at output voltage within the 110 - 140 V at Low Range or the 220 - 280 V at High Range (incl. 45 - 500Hz)
 - < 1.2% for output voltage within the 220 - 280 V at Low Range or the 440 - 560 V at High Range (option 0 - 600V)
 - < 1.5% for < 47Hz at output voltage within the 220 - 280 V at Low Range or the 440 - 560 V at High Range (option 0 - 600V & 45 - 500Hz)
- < 1.2% for ≥ 47 Hz at output voltage within the 220 - 280 V at Low Range or the 440 - 560 V at High Range (option 0 - 600V & 45 - 500Hz)
7. Max. Current without PFC Function
8. a. When output frequency ≥ 100 Hz & N-G short, the current meter guarantee minimum current from 0.01 A
 - b. When output frequency ≥ 500 Hz & N-G short, the current meter guarantee minimum current from 0.02 A
 - c. When output frequency ≥ 100 Hz & ≤ 500 Hz & N-G short, the current meter guarantee minimum current from 0.02 A at 600 V models.
 - d. When output frequency ≥ 500 Hz & N-G short, the current meter guarantee minimum current from 0.03 A at 600 V models
9. At Voltage > 5 V for 0 - 300 V; At Voltage > 10 V for 0 - 600 V (option)
10. Only one interface can be selected among RS232 & USB, GPIB, Analog card
11. Figure in parentheses are maximum values with fixture stand

Models

- 6510 High Power Programmable AC Power Source 0 - 300V/45 - 70Hz (10kVA)
- 6510P High Power Programmable AC Power Source 0 - 300V/45 - 70Hz (10kVA) with PFC
- 6520 High Power Programmable AC Power Source 0 - 300V/45 - 70Hz (20kVA)
- 6520P High Power Programmable AC Power Source 0 - 300V/45 - 70Hz (20kVA) with PFC
- 6530 High Power Programmable AC Power Source 0 - 300V/45 - 70Hz (30kVA)
- 6530P High Power Programmable AC Power Source 0 - 300V/45 - 70Hz (30kVA) with PFC
- 6540 High Power Programmable AC Power Source 0 - 300V/45 - 70Hz (40kVA)
- 6540P High Power Programmable AC Power Source 0 - 300V/45 - 70Hz (40kVA) with PFC
- 6560 High Power Programmable AC Power Source 0 - 300V/45 - 70Hz (60kVA)
- 6560P High Power Programmable AC Power Source 0 - 300V/45 - 70Hz (60kVA) with PFC
- 6580 High Power Programmable AC Power Source 0 - 300V/45 - 70Hz (80kVA)
- 6580P High Power Programmable AC Power Source 0 - 300V/45 - 70Hz (80kVA) with PFC

Options

- OPT.109 Replace RS232 Interface by GPIB Interface
- OPT.608 Output Voltage 600V for 6510, 6520 & Models with PFC
- OPT.609 Output Voltage 600V for 6530, 6540, 6560, 6580 & Models with PFC
- OPT.616 Output Frequency 45 - 500Hz for 6510 & 6510P
- OPT.650 Remote Sensing
- OPT.668 Suppression Input Voltage
- OPT.671 RCP Function for 6510, 6520, 6530 & Models with PFC
- OPT.672 RCP Function for 6540, 6560, 6580 & Models with PFC
- OPT.673 Earthquake Proof
- OPT.674 Output Voltage 350V
- OPT.675 Output Frequency Bundle 400/800Hz for Models without PFC

訪問華儀網站

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一般詢問

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關於華儀電子 (EEC)

四十年來，華儀電子不斷的挑戰業界標準，為安規及電源測試全方位的規劃與解決方案的技術領導者。從產品性能、製造品質到售後服務的重視外，華儀更提供測試方案、應用資訊以及便利的諮詢管道，成為客戶最安心的選擇。

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