

6300 系列

高功率可编程三相交流电源

6300 系列三相交流电源最高输出可达 150kVA，PWM 脉宽调变设计实现省电与节约空间等效益。超高电源功率满足工业马达、空调系统及充电站等运转测试。6300 宽广的频率输出范围也使它能符合航空、军事的法规与测试需求。



产品特点

- 内建功率因数改善设计可达 PF>0.95，节省能源。
- 快速响应速度可于 2mS 内储存波形。
- 宽广范围输出频率从 45Hz~500Hz(选购)、360-440Hz(选购) 或 760-840Hz(选购)。
- 电压缓升 / 缓降功能。
- 输出电压达 350V(选购)，适合三相马达驱动。

安全特性



过电流保护



过电压保护



过电率保护



过温度保护



短路线路



逆灌电流保护
(选购)

产品特点

OCF

过载电压
恒定输出



远端线压
降补偿
(选购)

通讯介面



USB 介面



RS-232 介面



GPIB 卡
(选购)

	交流输出	可编程	三相输入	输入功率因数改善线路	单相三线输出	三相输出	350V 输出	600V 输出
6310	√	√	√	选购	选购	√	选购	选购
6315	√	√	√	选购	选购	√	选购	选购
6330	√	√	√	选购	选购	√	选购	选购
6360	√	√	√	选购	选购	√	选购	选购
6390	√	√	√	选购	选购	√	选购	选购
63120	√	√	√	选购	选购	√	选购	选购
63150	√	√	√	-	选购	√	选购	选购

6300 系列规格 (<100kVA)						
型号		6310	6315	6330	6360	6390
交流输出						
相位		3Ø				
功率	1Ø	3.33kVA	5kVA	10kVA	20kVA	30kVA
	总和	9.99kVA	15kVA	30kVA	60kVA	90kVA
功率 (选购 1Ø3W)	1Ø	3.33kVA	5kVA	10kVA	20kVA	30kVA
	总和	6.66kVA	10kVA	20kVA	40kVA	60kVA
电压 ¹	范围	0 - 150V/0 - 300V or 0 - 175V/0 - 350V Selectable (Optional 0 - 350V) or 0 - 300V/0 - 600V Selectable (Optional 0 - 600V)				
	解析度	0.1V				
	精确度	±(1% of setting + 2 counts)				
最大电流 (有效值) ² - 1Ø	0 - 150V	28.0A	42.0A	84.0A	168.0A	252.0A
	0 - 300V	14.0A	21.0A	42.0A	84.0A	126.0A
最大电流 (有效值) ³ 选购 0 - 350V - 1Ø	0 - 175V	24.0A	36.0A	72.0A	144.0A	216.0A
	0 - 350V	12.0A	18.0A	36.0A	72.0A	108.0A
最大电流 (有效值) ⁴ 选购 0 - 600V - 1Ø	0 - 300V	14.0A	21.0A	42.0A	84.0A	126.0A
	0 - 600V	7.0A	10.5A	21.0A	42.0A	63.0A
频率 ⁵	范围	45.0 - 70.0Hz/45.0 - 500.0Hz (Optional 45 - 500Hz)/360 - 440 (Optional 400Hz) /760 - 840Hz (Optional 800Hz) Full Range Adjust				
	解析度	0.1/1Hz				
	精确度	± 0.02% of setting				
总谐波失真 (THD) ⁶		< 1% for 110/220V, 50/60Hz for 300V and Optional 350V at Resistive Load < 1.2% for 220/440V, 50/60Hz for Optional 600V at Resistive Load				
浪涌电流		3 times rated Current (r.m.s)				
波峰因素		3 times rated Current (r.m.s)				
电源稳定率		± 0.1V				
负载调整率		L - N : ±(0.5% of output + 0.5V)/L - L : ±(1% of output + 1V) at Resistive Load				
相角偏差		120° ≤ ± 1° at Load Balance, 120° ≤ ± 2.5° at 100% Load Unbalance				
缓升和缓降时间	范围	0.1 - 999.9s				
	解析度	0.1s				
	精确度	± (0.1% of setting + 0.2s)				
输入电源						
相数		3Ø4W				
电压		220 (L - N)/380Vac (L - L) ±10%				
最大电流 ⁷		25A	40A	75A	150A	230A
频率		47 - 63Hz				
功率因素		0.8				
量测						
电压	L - N 范围	0.0 - 300.0V/0.0 - 600.0V				
	L - L 范围	0.0 - 520.0V/0.0 - 1040V				
	解析度	0.1/0.2V				
	精确度	±(1% of reading + 2 counts) at Voltage > 5V				



型号		6310	6315	6330	6360	6390	
量测							
电流	范围	L	0.000 - 3.500A	0.00 - 35.00A			
		H	3.00 - 35.00A	30.0 - 350.0A			
	解析度 ⁸	L	0.001A	0.01A			
		H	0.01A	0.1A			
	精确度	L	±(1% of reading + 5 counts) ⁹				
		H	±(1% of reading + 1 count) ⁹				
电流 (选购 0 - 600V)	范围	L	0.000 - 3.500A	0.00 - 35.00A			
		H	3.00 - 35.00A	30.0 - 350.0A			
	解析度 ⁸	L	0.001A	0.01A			
		H	0.01A	0.1A			
	精确度	L	±(1% of reading + 5 counts) ⁹				
		H	±(1% of reading + 1 count) ⁹				
频率	范围	45.0 - 850.0Hz					
	解析度	0.1Hz					
	精确度	± 0.1Hz					
功率	范围	L	0.0 - 350.0W	0.000 - 3.500kW			
		H	300W - 4kW	3.00 - 40.00kW			
	解析度	L	0.1W	0.001kW			
		H	1W	0.01kW			
	精确度	L	±(1.5% of reading + 5 counts) at Voltage > 5V ¹⁰				
		H	±(1.5% of reading + 1 count) at Voltage > 5V				
一般规格							
远端控制输入介面	ON/OFF, P1, P2, P3						
记忆组	8 Memories, 5 steps per memory for Voltage, Frequency, Test Time, Delay time and Current, Power, Hi, Lo Limit setting						
同步输出讯号	Yes						
显示器	4 group pf digital LED displays						
效率	≥ 80% (at Full Load)	≥ 85% (at Full Load)					
保护功能	OCP, OVP, OPP, OTP, LVP, Short Circuit ; Alarm and shutdown						
介面 ¹¹	Standard USB & RS232, Optional GPIB & Analog card						
操作温度 / 储存温度 / 湿度	0 to 40°C/-40 to 75°C/20 to 80%RH						
尺寸 (宽 x 高 x 深), mm ¹²	430 x 732 (839) x 650 (730)	430 x 732 (839) x 650 (730)	600 x 842 (949) x 900 (980)	800 x 1557 (1662) x 900 (980)	1200 x 1557 (1805) x 900 (980)		
尺寸 (PFC) (宽 x 高 x 深), mm ¹²	600 x 732 (839) x 900 (980)	600 x 732 (839) x 900 (980)	600 x 842 (949) x 900 (980)	1000 x 1557 (1662) x 900 (980)	1200 x 1557 (1805) x 900 (980)		
重量	160kg	199kg	373kg	645kg	1139kg		
重量 (PFC)	299kg	362kg	547kg	909kg	1505kg		
标准配件							
1224 USB Cable*1							

6300 系列规格 (>100kVA)			
型号		63120	63150
交流输出			
相位		3 \emptyset	
功率	1 \emptyset	40kVA	50kVA
	总和	120kVA	150kVA
功率 (选购 1 \emptyset 3W)	1 \emptyset	40kVA	50kVA
	总和	80kVA	100kVA
电压 ¹	范围	0 - 150V/0 - 300V or 0 - 175V/0 - 350V Selectable (Optional 0 - 350V) or 0 - 300V/0 - 600V Selectable (Optional 0 - 600V)	
	解析度	0.1V	
	精确度	\pm (1% of setting + 2 counts)	
最大电流 (有效值) ² -1 \emptyset	0 - 150V	336.0A	420.0A
	0 - 300V	168.0A	210.0A
最大电流 (有效值) ³ 1 \emptyset 选购 0 - 350V - 1 \emptyset	0 - 175V	288.0A	360.0A
	0 - 350V	144.0A	180.0A
最大电流 (有效值) ⁴ 选购 0 - 600V - 1 \emptyset	0 - 300V	168.0A	210.0A
	0 - 600V	84.0A	105.0A
频率 ⁵	范围	45.0 - 70.0Hz/45.0 - 500.0Hz (Optional 45 - 500Hz)/360 - 440 (Optional 400Hz) /760 - 840Hz (Optional 800Hz) Full Range Adjust	
	解析度	0.1/1Hz	
	精确度	\pm 0.02% of setting	
总谐波失真 (THD) ⁶		< 1% for 110/220V, 50/60Hz for 300V and Optional 350V at Resistive Load < 1.2% for 220/440V, 50/60Hz for Optional 600V at Resistive Load	
浪涌电流		3 times rated Current (r.m.s)	
波峰因素		3 times rated Current (r.m.s)	
电源稳定率		\pm 0.1V	
负载调整率		L - N : \pm (0.5% of output + 0.5V)/L - L : \pm (1% of output + 1V) at Resistive Load	
相角偏差		120° \leq \pm 1° at Load Balance, 120° \leq \pm 2.5° at 100% Load Unbalance	
缓升和缓降时间	范围	0.1 - 999.9s	
	解析度	0.1s	
	精确度	\pm (0.1% of setting + 0.2s)	
输入电源			
相数		3 \emptyset 4W	
电压		220 (L - N)/380Vac (L - L) \pm 10%	
最大电流 ⁷		300A	375A
频率		47 - 63Hz	
功率因素		0.8	
量测			
电压	L - N 范围	0.0 - 300.0V/0.0 - 600.0V	
	L - L 范围	0.0 - 520.0V/0.0 - 1040V	
	解析度	0.1/0.2V	
	精确度	\pm (1% of reading + 2 counts) at Voltage > 5V	



型号		63120		63150	
量测					
电流	范围	L	0.00 - 35.00A	0.0 - 350.0A	
		H	30.0 - 350.0A	300 - 504A	
	解析度 ⁸	L	0.01A	0.1A	
		H	0.1A	1A	
	精确度	L	±(1% of reading + 5 counts) ⁹		
		H	±(1% of reading + 1 count) ⁹		
电流 (选购 0 - 600V)	范围	L	0.00 - 35.00A	0.0 - 350.0A	
		H	30.0 - 350.0A	300 - 504A	
	解析度 ⁸	L	0.01A	0.1A	
		H	0.1A	1A	
	精确度	L	±(1% of reading + 5 counts) ⁹		
		H	±(1% of reading + 1 count) ⁹		
频率	范围	45.0 - 850.0Hz			
	解析度	0.1Hz			
	精确度	± 0.1Hz			
功率	范围	L	0.000 - 3.500kW	0.00 - 35.00kW	
		H	3.00 - 40.00kW	30.0 - 60.0kW	
	解析度	L	0.001kW	0.01kW	
		H	0.01kW	0.1kW	
	精确度	L	±(1.5% of reading + 5 counts) at Voltage > 5V ¹⁰		
		H	±(1.5% of reading + 1 count) at Voltage > 5V		
一般规格					
远端控制输入介面	ON/OFF, P1, P2, P3				
记忆组	8 Memories, 5 steps per memory for Voltage, Frequency, Test Time, Delay time and Current, Power, Hi, Lo Limit setting				
同步输出讯号	Yes				
显示器	4 group pf digital LED displays				
效率	≥ 85% (at Full Load)				
保护功能	OCP, OVP, OPP, OTP, LVP, Short Circuit ; Alarm and shutdown				
介面 ¹¹	Standard USB & RS232, Optional GPIB & Analog card				
操作温度 / 储存温度 / 湿度	0 to 40°C / -40 to 75°C / 20 to 80%RH				
尺寸 (宽 x 高 x 深), mm ¹²	1200 x 1557 (1805) x 900 (980)		1600 x 1557 (1808) x 1106 (1186)		
尺寸 (PFC) (宽 x 高 x 深), mm ¹²	1200 x 1557 (1805) x 1100 (1180)		-		
重量	1659kg		1800kg		
重量 (PFC)	2139kg		-		
标准配件					
1224 USB Cable*1					

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

产品型号

- 6310 High Power Programmable 3 Phase
- 6310P High Power Programmable 3 Phase AC Power Source 0 - 300V/45 - 70Hz (10kVA) with PFC
- 6315 High Power Programmable 3 Phase AC Power Source 0 - 300V/45 - 70Hz (15kVA)
- 6315P High Power Programmable 3 Phase AC Power Source 0 - 300V/45 - 70Hz (15kVA) with PFC
- 6330 High Power Programmable 3 Phase AC Power Source 0 - 300V/45 - 70Hz (30kVA)
- 6330P High Power Programmable 3 Phase AC Power Source 0 - 300V/45 - 70Hz (30kVA) with PFC
- 6360 High Power Programmable 3 Phase AC Power Source 0 - 300V/45 - 70Hz (60kVA)
- 6360P High Power Programmable 3 Phase AC Power Source 0 - 300V/45 - 70Hz (60kVA) with PFC
- 6390 High Power Programmable 3 Phase AC Power Source 0 - 300V/45 - 70Hz (90kVA)
- 6390P High Power Programmable 3 Phase AC Power Source 0 - 300V/45 - 70Hz (90kVA) with PFC
- 63120 High Power Programmable 3 Phase AC Power Source 0 - 300V/45 - 70Hz (120kVA)
- 63120P High Power Programmable 3 Phase AC Power Source 0 - 300V/45 - 70Hz (120kVA) with PFC
- 63150 High Power Programmable 3 Phase AC Power Source 0 - 300V/45 - 70Hz (150kVA)

选购功能

- OPT.109 Replace RS232 Interface by GPIB Interface
- OPT.608 Output Voltage 600V for 6310, 6315 & Models with PFC
- OPT.609 Output Voltage 600V for 6330, 6360 & Models with PFC
- OPT.610 Output Voltage 600V for 6390, 63120 & Models with PFC
- OPT.615 Output Frequency 45 - 500Hz for 6310 & Model with PFC
- OPT.616 Output Frequency 45 - 500Hz for 6315 & Model with PFC
- OPT.617 Output Frequency 45 - 500Hz for 6330 & Model with PFC
- OPT.637 Single Phase 3 Wire Output (L1/L2/N) for 6300
- OPT.649 Output Voltage 600V for 63150
- OPT.650 Remote Sensing
- OPT.656 Output Frequency 400Hz (360 - 440Hz) for Models without PFC
- OPT.657 Output Frequency 800Hz (760 - 840Hz) for Models without PFC
- OPT.668 Suppression Input Voltage
- OPT.671 RCP Function for 6310, 6315, 6330 & Models with PFC
- OPT.672 RCP Function for 6360, 6390, 63120, 63150 Models with PFC
- OPT.673 Earthquake Proof for 6310, 6315, 6330, 6360 & Models with PFC
- OPT.674 Output Voltage 350V

选购配件

- 1936 交流电源远端控制器