

MODEL 62000H SERIES

特点

- 功率输出范围：5KW / 10KW / 15KW / 18KW
- 电流输出范围：0 ~ 375A
- 电压输出范围：0 ~ 1800V/2000V(串联)
- 交流输入电压范围：
200/220Vac, 380/400Vac, 440/480Vac
- 3U/18KW高功率密度
- 简易主/从并联与串联操作模式
- 精准的电压及电流量测
- 高速可程式控制介面
- 电压及电流斜率控制
- 数位旋钮、键盘及功能按钮操作
- 并联时具有均流操作模式
- 电压渐升/降功能
(时间范围：5 ms ~ 99 hours)
- 具有10组可程式控制及100个步骤设定电压/电流
- 过电压、限电流及过温度保护功能
- 标准的类比编程控制介面
- 支援CAN / Ethernet / USB / RS232 / RS485 / GPIB / APG 控制介面
- 远端输出 ON / OFF (I / P)
- 远端感测线压降补偿
- LabView 及 Labwindows 控制驱动程式
- 太阳能电池阵列模拟功能
- 可模拟太阳能电池遮罩下 I-V 曲线
- 具有100条 I-V 曲线自动程控
- 具有CE认证



可编程直流电源供应器 PROGRAMMABLE DC POWER SUPPLY MODEL 62000H SERIES

Chroma 62000H系列可编程直流电源供应器，提供许多独特功能供电信、自动测试系统整合、工业、电池充电及模拟、混合动力汽车与太阳能面板模拟使用。这些功能包括3U中的18KW高功率密度、精准的输出电流和电压量测、输出触发信号，以及可模拟复杂的DC暂态波形以便测试设备的瞬断、压降与其他电压间偏差的能力。

62000H系列包含各种不同的机型，范围从5KW到18KW，具有电流范围可达375A及电压范围可达1800V。62000H可简易并联11台仪器，可均流198KW供大功率应用，例如，450V/150A/67.5KW的电池组模拟供电动汽车与国防工业使用。

前面板上有100种使用者可程式输入状态，供自动测试应用与生命周期ON/OFF测试使用。此

外，62000H具备16 bit高解析度的数位控制和可视性佳的真空荧光显示器读出功能。

62000H系列直流电源供应器操作非常简单，从前面板按键或远端控制器经由CAN/Ethernet/USB/RS232/RS485/GPIB/APG控制介面。其具有3U精巧尺寸，可毫无困难的以标准机架堆迭于机台上。

62000H系列电源供应器另一个独特的功能为可建立复杂的DC暂态波形。此功能可对设备进行电压漏失、瞬断和其他电压变化等测试，是用于航空设备测试、太阳能逆变器测试和其他会产生电压中断之设备测试的理想选择。其应用的范围包括DC/DC转换器和逆变器、压降测试、引擎启动模拟、电池自动充电、电子产品生命周期测试等等。



Chroma

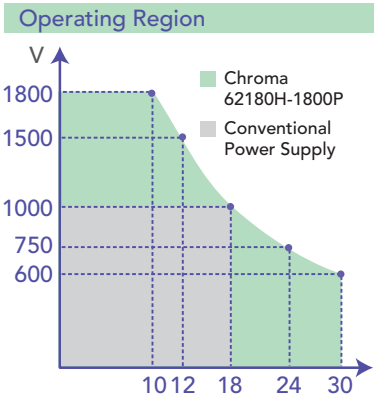
高功率密度3U/18KW可编程直流电源供应器

62000H系列电源供应器提供3U高18KW的高功率密度，具有低输出噪音及涟波、绝佳的市电扰动调节、负载调节与快速暂态回应。其具有大范围的电压30V~1800V，电流30A适合从设计到产品测试生产流程的每一测试验证用电源。



62000H-P系列具宽范围输出特性

62000H-P系列型号为输入具主动式PFC低电流谐波回馈网，此可节省高功率测试下用电成本及电力系统配置，且拥有宽范围输出特性，使用者可在额定功率下，操作更宽广的电压与电流范围，并不会被局限于单一的满功率操作点，适用于多样性规格的产品如电子零件测试、伺服电源产品测试、电池周边产品测试、车用电子零组件测试等。以62180H-1800P为例，输出规格为1800V/30A/18kW可于不同的组合中灵活操作如图所示。



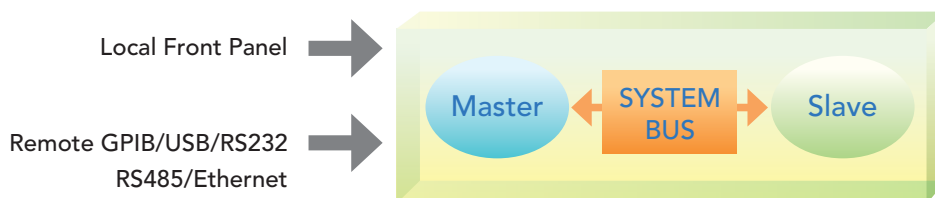
汽车电气特性模拟测试

62000H系列直流电源具有高速CV动态响应斜率可控制高达40V/ms，此可应用于许多汽车法规之电器特性测试，包含LV148, LV123, ISO 16750-2, VW 80000, GS 95024-2-1等部分测项，针对于汽车零部件及电气系统于启动和运行过程等动态电压测试，搭配Chroma Softpanel图形化软件，使用者更可一键操作输出测试，快速地进行产品稳定性验证，节省使用者开发时程。(详细支援测项请参考致茂网站 - Model 62000P 与 62000H 系列电脑图形化操作介面)



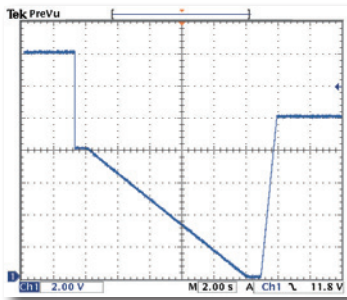
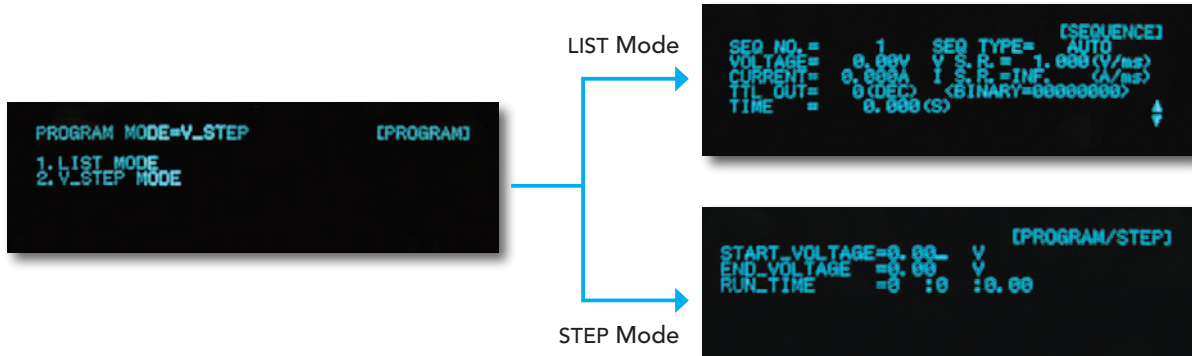
主/从并联及串联操作模式

当需要高功率时，一般以并联或串连方式连接二台或多台电源供应器。62000H系列电源供应器具有主/从控制模式，使串连/并联操作模式快速又简易。在此模式中，主单机设定数值并下载资料到从属单机，因此编程是简单的且会自动均流使用。

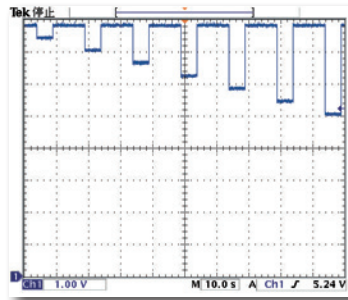


编程自动程序电压变化应用

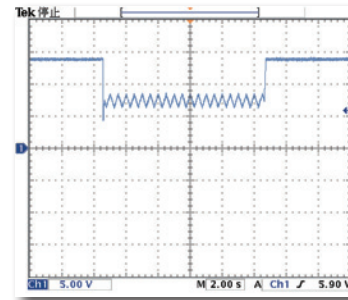
62000H系列电源供应器的LIST和STEP模式提供自动程序功能。LIST模式提供100个使用者可控排序，具有时间设定范围从5ms到15000s，还有电压/电流斜率控制。STEP模式可设定起始、结束电压，且提供5ms到99 hours的运转时间予自动测试应用。应用的范围包括 DC/DC转换器和反用换流器、电压漏失测试、引擎启动模拟、电池自动充电、电池电压漏失模拟、电子产品生命周期测试与航空电子测试。



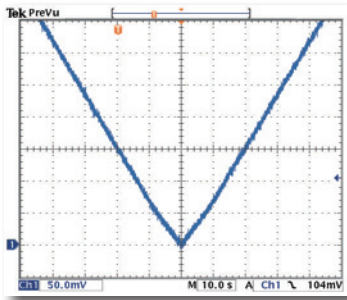
模拟电池供电瞬降试验



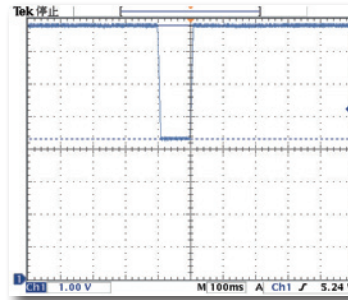
ISO 16750-2降压重置试验曲线



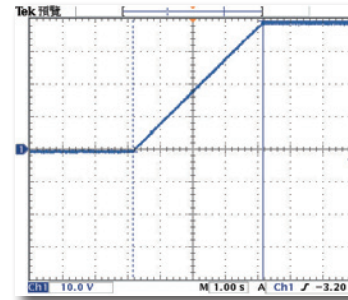
ISO 16750-2启动电压曲线试验



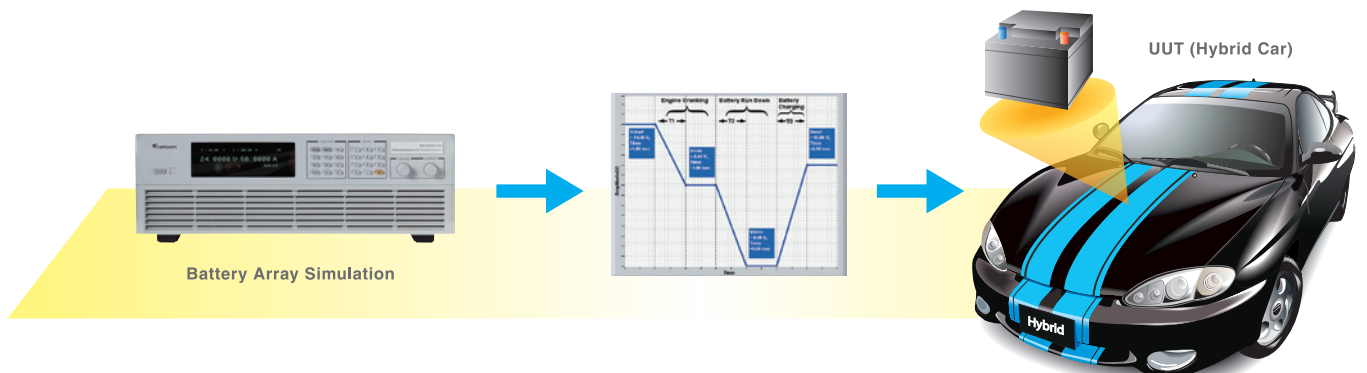
模拟电池缓降及缓升供电试验



通讯电源输入瞬降测试

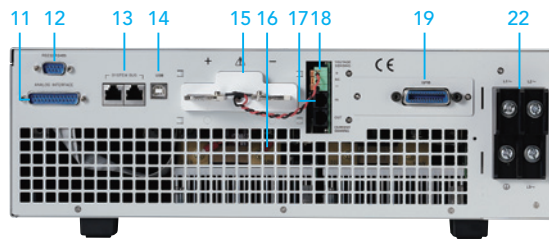
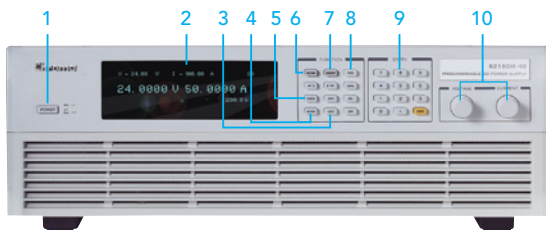


输出电压爬升斜率控制

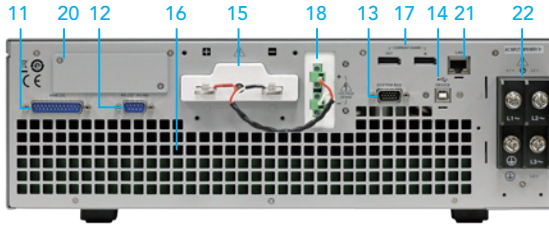
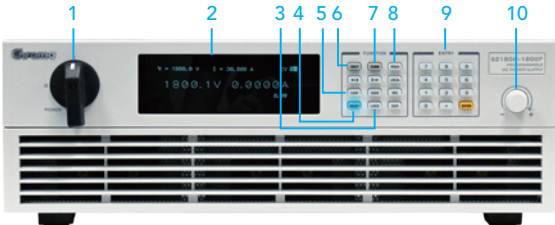


面板说明

5KW/10KW/15KW 机型



18KW 机型



- | | |
|--|---|
| <ol style="list-style-type: none"> 1. AC电源开关 2. VFD显示器
显示设定, 量测及操作状态指示 3. 安全锁键
安全锁启动及失能控制 4. 输出ON/OFF控制键
输出启动及失能控制 5. CONFIG功能键
系统内部参数设定 6. 电压设定键
设定输出电压值 7. 电流设定键
设定输出限电流值 8. PROG功能键
程序步阶电压及电流设定选择 9. 数字键
数字输入 10. 旋钮
旋钮调整设定参数 | <ol style="list-style-type: none"> 11. 类比控制介面
类比输入/出控制&监控电压及电流 12. RS-232或RS-485介面 (二选一) 13. 系统控制介面
主从串/并联用数位讯号沟通介面 14. USB介面 15. 后背板直流输出端子
输出连接端子至负载 16. 系统散热风扇
具有温控转速调节 17. 均流端子
主/从并联使用 18. 远端压降补偿端子
远端回授连接端子至负载 19. GPIB或Ethernet介面
(2kW/5kW/10kW/15kW机型选配, 二选一) 20. GPIB介面 (18kW机型, 选配) 21. Ethernet介面 (18kW机型, 标配) 22. AC输入端子 |
|--|---|

订购资讯

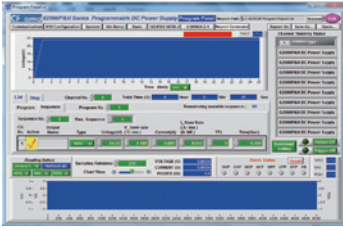
功率输出范围	62000H 系列可编程直流电源供应器
2KW	62020H-150S : 可编程直流电源供应器 150V/40A/2KW 具有太阳能电池模拟功能
5KW	62050H-40 : 可编程直流电源供应器 40V/125A/5KW
	62050H-450 : 可编程直流电源供应器 450V/11.5A/5KW
	62050H-600 : 可编程直流电源供应器 600V/8.5A/5KW
	62050H-600S : 可编程直流电源供应器 600V/8.5A/5KW 具有太阳能电池模拟功能
10KW	62075H-30 : 可编程直流电源供应器 30V/250A/7.5KW
	62100H-30 : 可编程直流电源供应器 30V/375A/11KW
	62100H-40 : 可编程直流电源供应器 40V/250A/10KW
	62100H-100P*3 : 可编程直流电源供应器 100V/250A/10KW
	62100H-450 : 可编程直流电源供应器 450V/23A/10KW
	62100H-600 : 可编程直流电源供应器 600V/17A/10KW
	62100H-600S : 可编程直流电源供应器 600V/17A/10kW 具有太阳能电池模拟功能
	62100H-1000 : 可编程直流电源供应器 1000V/10A/10KW
15KW	62150H-40 : 可编程直流电源供应器 40V/375A/15KW
	62150H-100P*3 : 可编程直流电源供应器 100V/375A/15KW
	62150H-450 : 可编程直流电源供应器 450V/34A/15KW
	62150H-600 : 可编程直流电源供应器 600V/25A/15KW
	62150H-600S : 可编程直流电源供应器 600V/25A/15KW 具有太阳能电池模拟功能
	62150H-1000 : 可编程直流电源供应器 1000V/15A/15KW
	62150H-1000S : 可编程直流电源供应器 1000V/15A/15kW 具有太阳能电池模拟功能
18KW	62180H-1800P : 可编程直流电源供应器 1800V/30A/18KW
	62180H-1800S : 可编程直流电源供应器 1800V/30A/18KW 具有太阳能电池模拟功能
选购配件	A620024 : GPIB 介面卡 (2kW/5kW/10kW/15kW机型专用) (工厂出货安装)
	A620025 : Ethernet 介面卡 (工厂出货安装)
	A620026 : 19吋机框耳架
	A620039 : GPIB 介面卡 (12kW/18kW机型专用)
	A632013*4 : CAN介面卡 (62180H-1800P机型专用)

注 *1 : 所有机型皆可订购使用于市电200/220Vac, 380/400Vac与440/480Vac (600V/1000V机型)

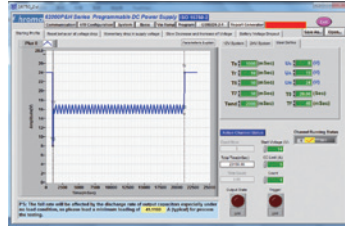
注 *2 : 如需200/220 Vac 或 440/480 Vac (30V/40V/100V/450V)机型, 请联络致茂办公室

注 *3 : 62000H-P机型具有功率因数校正>0.98与宽范围输出 注 *4 : 请联络致茂办公室

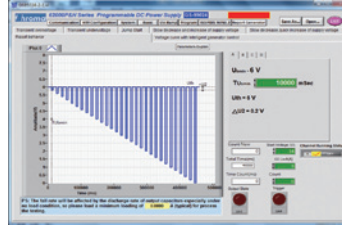
软体面板



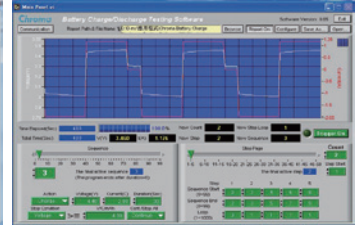
Program Sequences Function



ISO 16750-2 Standard for Voltage Transient Test



GS-95024 Standard for Voltage Transient Test



Battery Charge Test

电气规格 -1

Model	62075H-30	62050H-40	62050H-450	62050H-600	62100H-30	62100H-40	62100H-100P	62100H-450	62100H-600
Output Ratings									
Output Voltage	0-30V	0-40V	0-450V	0-600V	0-30V	0-40V	0-100V	0-450V	0-600V
Output Current	0-250A	0-125A	0-11.5A	0-8.5A	0-375A	0-250A	0-250A	0-23A	0-17A
Output Power	7500W	5000W	5000W	5000W	11250W	10000W	10000W	10000W	10000W
Line Regulation									
Voltage	±0.01% F.S.								
Current	±0.05% F.S.								
Load Regulation									
Voltage	±0.02% F.S.								
Current	±0.1% F.S.								
Voltage Measurement									
Range	6V / 30V	8V / 40V	90V / 450V	120V / 600V	6V / 30V	8V / 40V	20V/100V	90V/450V	120V/600V
Accuracy	0.05% + 0.05% F.S.								
Current Measurement									
Range	50A / 250A	25A / 125A	2.3A / 11.5A	1.7A / 8.5A	75A / 375A	50A / 250A	50A / 250A	4.6A/23A	3.2A/17A
Accuracy	0.1% + 0.1% F.S.								
Output Noise & Ripple									
Voltage Noise (P-P)	60mV	60mV	300mV	350mV	60mV	60mV	100mV	300mV	350mV
Voltage Ripple (rms)	15mV	15mV	450mV	600mV	15mV	15mV	20mV	450mV	600mV
Current Ripple (rms)	100mA	50mA	20mA	15mA	150mA	100mA	100mA	40mA	30mA
OVP Adjustment Range									
Range	0-110% programmable from front panel, remote digital inputs								
Accuracy	±1% of full-scale output								
Programming Response Time									
Rise Time: Full Load	6ms	8ms	60ms	60ms	6ms	8ms	20ms	60ms	60ms
Rise Time: No Load	6ms	8ms	60ms	60ms	6ms	8ms	20ms	60ms	60ms
Fall Time: Full Load	6ms	8ms	60ms	60ms	6ms	8ms	20ms	60ms	60ms
Fall Time: 10% Load	100ms	100ms	250ms	250ms	100ms	100ms	625ms	250ms	250ms
Fall Time: No Load	1s	1s	2.5s	2.5s	1s	1s	2.5s	2.5s	2.5s
Slew Rate Control									
Voltage slew rate range	0.001V/ms ~ 5V/ms	0.001V/ms ~ 5V/ms	0.001V/ms ~ 7.5V/ms	0.001V/ms ~ 10V/ms	0.001V/ms ~ 5V/ms	0.001V/ms ~ 5V/ms	0.001V/ms ~ 5V/ms	0.001V/ms ~ 7.5V/ms	0.001V/ms ~ 10V/ms
Current slew rate range	0.001A~1A/ms, or INF								
Min. transition time	0.5ms								
Transient Response Time	Recovers within 1ms to +/- 0.75% of steady-state output for a 50% to 100% or 100% to 50% load change(1A/μs)								
Efficiency (Typical)	0.87	0.87	0.87	0.87	0.87	0.87	0.91	0.87	0.87
Drift (30 minutes)									
Voltage	0.04% of Vmax						0.01% of Vmax	0.04% of Vmax	
Current	0.06% of Imax						0.06% of Imax	0.06% of Imax	
Drift (8 hours)									
Voltage	0.02% of Vmax						0.005% of Vmax	0.02% of Vmax	
Current	0.04% of Imax						0.005% of Imax	0.04% of Imax	
Temperature Coefficient									
Voltage	0.04% of Vmax/°C						0.005% of Vmax/°C	0.04% of Vmax/°C	
Current	0.06% of Imax/°C						0.01% of Imax/°C	0.06% of Imax/°C	

电气规格 -2

Model	62100H-1000	62150H-40	62150H-100P	62150H-450	62150H-600	62150H-1000	62180H-1800P
Output Ratings							
Output Voltage	0-1000V	0-40V	0-100V	0-450V	0-600V	0-1000V	0 ~ 1800V
Output Current	0-10A	0-375A	0-375A	0-34A	0-25A	0-15A	0 ~ 30A
Output Power	10000W	15000W	15000W	15000W	15000W	15000W	18000W
Line Regulation							
Voltage	±0.01% F.S.						
Current	±0.05% F.S.						
Load Regulation							
Voltage	±0.05% F.S.	±0.02% F.S.	±0.02% F.S.	±0.02% F.S.	±0.02% F.S.	±0.05% F.S.	±0.05% F.S.
Current	±0.1% F.S.						±0.2% F.S.
Voltage Measurement							
Range	200V/1000V	8V/40V	20V/100V	90V/450V	120V/600V	200V/1000V	1100V / 1800V
Accuracy	0.05% + 0.05%F.S.						
Current Measurement							
Range	4A/10A	75A/375A	75A/375A	6.8A/34A	5A/25A	6A/15A	15A / 30A
Accuracy	0.1% + 0.1%F.S.						
Output Noise & Ripple							
Voltage Noise(P-P)	2550mV	60mV	100mV	300mV	350mV	2550mV	3500 mV
Voltage Ripple(rms)	1500mV	15mV	20mV	450mV	600mV	1500mV	750 mV
Current Ripple(rms)	180mA	150mA	100mA	60mA	45mA	270mA	250mA
OVP Adjustment Range							
Range	0-110% programmable from front panel, remote digital inputs						
Accuracy	±1% of full-scale output						
Programming Response Time							
Rise Time:Full Load	25ms (30% F.S. CC Load)	8ms	20ms	60ms	60ms	25ms (50% F.S. CC Load)	90ms
Rise Time:No Load	25ms	8ms	20ms	60ms	60ms	25ms	90ms
Fall Time: Full Load	25ms (50% F.S. CC Load)	8ms	20ms	60ms	60ms	25ms (50% F.S. CC Load)	90ms
Fall Time: 10% Load	120ms (10% F.S. CC Load)	100ms	625ms	250ms	250ms	80ms (10% F.S. CC Load)	625ms
Fall Time: No Load	3s	1s	2.5s	2.5s	2.5s	3s	2.5s
Slew Rate Control							
Voltage slew rate range	0.001Vms~ 40V/ms	0.001V/ms ~5V/ms	0.001V/ms ~5V/ms	0.001V/ms ~7.5V/ms	0.001V/ms ~10V/ms	0.001V/ms ~40V/ms	0.001V/ms ~ 20V/ms
Current slew rate range	0.001A~0.1A/ms, or INF						
Min. transition time	0.5ms						
Transient Response Time	Recovers within 1ms to +/- 0.75% of steady-state output for a 50% to 100% or 100% to 50% load change (1A/μs)						1.5ms *6
Efficiency (Typical)	0.85	0.87	0.92	0.87	0.87	0.87	0.9
Drift (30 minutes)							
Voltage	0.04% of Vmax		0.01% of Vmax		0.04% of Vmax		
Current	0.06% of Imax		0.06% of Imax		0.06% of Imax		
Drift (8 hours)							
Voltage	0.02% of Vmax		0.005% of Vmax		0.02% of Vmax		
Current	0.04% of Imax		0.005% of Imax		0.04% of Imax		
Temperature Coefficient							
Voltage	0.04% of Vmax/°C		0.005% of Vmax/°C		0.04% of Vmax/°C		
Current	0.06% of Imax/°C		0.01% of Vmax/°C		0.06% of Imax/°C		

Note *1 : Please specify GPIB or Ethernet Interface (alternative) at time of order.

Note *2 : All models output power are available for 200/220Vac, 380/400Vac and 440/480Vac (600V/1000V models) line voltage.

Note *3 : Call for availability. (30V/40V/100V/450V for 200/220 Vac and 440/480 Vac line voltage)

一般规格表

Programming & Measurement Resolution					
Voltage (Front Panel)	0.1mV / 1mV / 10mV / 100mV (VO < 10V / 40V / 600V / 1800V)				
Current (Front Panel)	0.1mA / 1mA / 10 mA (IO < 10A / 100A / 1000A)				
Voltage (Digital Interface)	0.002% of Vmax				
Current (Digital Interface)	0.002% of Imax				
Voltage (Analog Interface)	0.04% of Vmax				
Current (Analog Interface)	0.04% of Imax				
Remote Interface					
Analog programming	Standard				
USB	Standard				
RS-232	Standard				
RS485	Standard				
GPIB	Optional				
Ethernet	Optional (Standard for 62180H-1800P)				
System BUS(CAN)	Standard for master/slave control				
Programming Accuracy					
Voltage (Front Panel and Digital Interface)	0.1% of Vmax / 0.05% of Vmax (62000H-100P models)				
Current (Front Panel and Digital Interface)	0.3% of Imax / 0.2% of Imax (62000H-100P/1800P models)				
Voltage (Analog Interface)	0.2% of Vmax				
Current (Analog Interface)	0.3% of Imax				
GPIB Command Response Time					
Vout setting	GPIB send command to DC source receiver <20ms				
Measure V & I	Under GPIB command using Measure <25ms				
Analog Interface (I/O)					
Voltage and Current Programming inputs (I/P)	0-10Vdc / 0-5Vdc / 0-5k ohm / 4-20 mA of F.S.				
Voltage and Current monitor output (O/P)	0-10Vdc / 0-5Vdc / 4-20mA of F.S.				
External ON/OFF (I/P)	TTL:Active Low or High(Selective)				
DC_ON Signal (O/P)	Level by user define. (Time delay = 1 ms at voltage slew rate of 10V/ms.)				
CV or CC mode Indicator (O/P)	TTL Level High=CV mode ; TTL Level Low= CC mode				
OTP Indicator (O/P)	TTL: Active Low				
System Fault indicator(O/P)	TTL: Active Low				
Auxiliary power supply(O/P)	Nominal supply voltage : 12Vdc / Maximum current sink capability: 10mA				
Safety interlock(I/P)	Time accuracy: <100ms				
Remote inhibit(I/P)	TTL: Active Low				
Series & Parallel Operation	Master / Slave control for 10 units (Series: two units / Parallel: ten units)				
Auto Sequencing(List Mode)					
Number of program	10				
Number of sequence	100				
Dwell time Range	5ms - 15000S				
Trig. Source	Manual / Auto / External				
Auto Sequencing (Step Mode)					
Start voltage	0 to Full scale				
End voltage	0 to Full scale				
Run time	10ms - 99hours				
Input Specification					
AC input voltage 3phase , 3 wire + ground	3Ø 200~220Vac ± 10% VLL ; 3Ø 380~400Vac ± 10% VLL ; 3Ø 440~480Vac ± 10% VLL				
AC frequency range	47-63 Hz				
Max Current (each phase)	200/220 Vac	5KW Model : 39A	10KW Model : 69A	15KW Model : 93A	--
	380/400 Vac	5KW Model : 22A	10KW Model : 37A/30A*5	15KW Model : 50A/30A*5	18KW Model : 37A
	440/480 Vac	5KW Model : 19A	10KW Model : 32A	15KW Model : 44A	--
General Specification					
Maximum Remote Sense Line Drop Compensation	30V/40V model : 5% of full scale voltage per line(10% total) 100V model : 2.5% of full scale voltage per line (5% total) ; >100V model : 2% of full scale voltage per line (4% total) 1000V model : 1% of full scale voltage per line (2% total) ; 1800V model : 0.5% of full scale voltage per line (1% total)				
Operating Temperature Range	0°C ~ 50°C *1				
Storage Temperature Range	-40°C ~ +85°C *7				
Dimension (HxWxD)	132.8 x 428 x 610 mm / 5.23 x 16.85 x 24.02 inch ; 18KW model : 132.8 x 428 x 660 mm / 5.23 x 16.85 x 25.99 inch				
Weight	5KW Model : Approx. 23 kg / 50.66 lbs ; 10KW Model : Approx. 29 kg / 63.88 lbs *2 *3 15KW Model : Approx. 35 kg / 77.09 lbs *4 ; 18KW Model : Approx. 40 kg / 88.19 lbs				

Note*1 : The operating temperature range is 0°C ~ 40°C for Model 62100H-1000/62150H-1000/62180H-1800P.

Note*2 : The weight is approx. 35kg/77.09 lbs for Model 62100H-1000.

Note*3 : The weight is approx. 38kg/83.77 lbs for Model 62150H-100P.

Note*4 : The max. input current (each phase) is 20A for Model 62100H-100P.

Note*5 : The max. input current (each phase) is 30A for Model 62100H-100P/62150H-100P.

Note*6 : Recovers within 1.5ms to ±1.5% of steady-state output for a 50% to 75% or 75% to 50% load change (0.1A/ms)

Note*7 : Storage temperature range is -25°C ~ 70°C for Model 62180H-1800P.

电气规格表-太阳能电池阵列模拟电源机型

Model	62020H-150S	62050H-600S	62100H-600S	62150H-600S	62150H-1000S	62180H-1800S
Output Ratings						
Output Voltage	0 ~ 150V	0 ~ 600V	0 ~ 600V	0 ~ 600V	0 ~ 1000V	0 ~ 1800V
Output Current	0 ~ 40A	0 ~ 8.5A	0 ~ 17A	0 ~ 25A	0 ~ 15A	0 ~ 30A
Output Power	2000W	5000W	10000W	15000W	15000W	18000W
Line Regulation						
Voltage						± 0.01% F.S.
Current						± 0.05% F.S.
Load Regulation						
Voltage						± 0.05% F.S.
Current						± 0.2% F.S.
Voltage Measurement						
Range	60V / 150V	120V / 600V	120V / 600V	120V / 600V	200V / 1000V	1100V / 1800V
Accuracy	0.05% + 0.05%F.S.					
Current Measurement						
Range	16A / 40A	3.4A / 8.5A	6.8A / 17A	10A / 25A	6A / 15A	15A / 30A
Accuracy	0.1% + 0.1%F.S.					
Output Noise&Ripple						
Voltage Noise(P-P)	450 mV	1500 mV	1500 mV	1500 mV	2550 mV	3500 mV
Voltage Ripple(rms)	65 mV	650 mV	650 mV	650 mV	1950 mV	750 mV
Current Ripple(rms)	80 mA	150 mA	300 mA	450 mA	270mA	250mA
OVP Adjustment Range						
Range	0 ~ 110% programmable from front panel, remote digital inputs.					
Accuracy	± 1% of full-scale output					
Programming Response Time						
Rise Time: 50%F.S. CC Load	10ms (6.66A loading)	30ms	30ms	30ms	25ms	90ms
Rise Time: No Load	10ms	30ms	30ms	30ms	25ms	90ms
Fall Time: 50%F.S. CC Load	10ms (6.66A loading)	30ms	30ms	30ms	25ms	90ms
Fall Time: 10%F.S. CC Load	83ms (1.33A loading)	100ms	100ms	100ms	80ms	625ms
Fall Time: No Load	300ms	1.2s	1.2s	1.2s	3s	2.5s
Slew Rate Control						
Voltage Slew Rate Range	0.001V/ms~15V/ms	0.001V/ms~20V/ms	0.001V/ms~20V/ms	0.001V/ms~20V/ms	0.001V/ms~40V/ms	0.001V/ms~20V/ms
Current Slew Rate Range	0.001A/ms ~ 1A/ms, or INF	0.001A/ms ~ 0.1A/ms, or INF	0.001A/ms ~ 0.1A/ms, or INF	0.001A/ms ~ 0.1A/ms, or INF	0.001A/ms ~ 0.1A/ms, or INF	0.001A/ms ~ 0.1A/ms, or INF
Minimum Transition Time	0.5ms					
Transient response time	Recovers within 1ms to ± 0.75% of steady-state output for a 50% to 100% or 100% to 50% load change (1A/us)					
Efficiency	0.77(Typical)	0.87(Typical)				0.9(Typical)
Programming & Measurement Resolution						
Voltage (Front Panel)	10 mV	10 mV	10 mV	10 mV	100mV	100mV
Current (Front Panel)	1mA	1mA	1mA	1mA	1mA	10mA
Voltage (Digital Interface)	0.002% of Vmax					
Current (Digital Interface)	0.002% of Imax					
Voltage (Analog Interface)	0.04% of Vmax					
Current (Analog Interface)	0.04% of Imax					
Programming Accuracy						
Voltage (Front Panel and Digital Interface)	0.1% of Vmax					
Current (Front Panel and Digital Interface)	0.3% of Imax					0.2% of Imax
Voltage (Analog Interface)	0.2% of Vmax					
Current (Analog Interface)	0.3% of Imax					
Parallel Operation*2	Master / Slave control via CAN for 10 units up to 150kW *1 (Parallel: ten units)					up to 198kW *3
Auto Sequencing (I-V program)						
Number of program	10					
Number of sequence	100					
Dwell time Range	1s ~ 15,000S					
Trig. Source	Manual / Auto					

Note*1 : Max. Power is 20kW for 62020H-150S.

Note*2 : There is parallel mode for DC power supply when the I-V curve function is enabled.

Note*3 : For higher power > 198kW, please call for availability.

Note*4 : Recovers within 1.5ms to ±1.5% of steady-state output for a 50% to 75% or 75% to 50% load change (0.1A/ms)

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搜寻关键字

62000H

总公司
致茂电子股份有限公司
桃园市33383龟山区
华亚一路66号
T +886-3-327-9999
F +886-3-327-8898
www.chromaate.com
info@chromaate.com

中国
中茂电子(深圳)有限公司
广东省深圳市南山区登良路
南油天安工业村4号厂房8F
PC : 518052
T +86-755-2664-4598
F +86-755-2641-9620
www.chromaate.com
info@chromaate.com

北京分公司
T +86-10-5764-9600/5764-9601
F +86-10-5764-9609

重庆办公室
T +86-23-6703-4924/6764-4839
F +86-23-6311-5376

东莞服务部
T +86-769-8663-9376
F +86-769-8631-0896

致茂电子(苏州)有限公司
江苏省苏州高新区珠江路
855号狮山工业廊7号厂房
T +86-512-6824-5425
F +86-512-6824-0732

厦门分公司
T +86-592-826-2055
F +86-592-518-2152

中茂电子(上海)有限公司
上海市钦江路333号40号楼3楼
T +86-21-6495-9900
F +86-21-6495-3964