SP-6000W单组输出电源
SP-6000W Single output power supply

概述 Summary

> 单组输出：功率6000W
Single output: power 6000W
> 输入电压：95-190VAC（输出电流50%）
195-265VAC（输出电流100%）
Input voltage: 95-190VAC(output current 50%)
195-265VAC(output current 100%)

常见规格 General Specification

432 × 179 × 242mm

型号 Model / 性能 Specification	SP-6000-24	SP-6000-36	SP-6000-48	SP-6000-60	SP-6000-110	SP-6000-220
直流输出电压 DC voltage	24V	36V	48V	60V	110V	220V
额定电流 Rated current	250A	166.6A	125A	100A	54.5A	27.2A
电流范围 Current range	0-250A	0-166.6A	0-125A	0-100A	0-54.5A	0-27.2A
额定功率 Rated Power		6000W				
纹波 Ripple	500mV	500mV	600mV	600mV	1000mV	1500mV
恒流最佳范围 Constant current optimum range	12-24V	18-36V	24-48V	30-60V	55-110V	110-220V
电压精度 Rated voltage accuracy	± 1.0%					
线路调整率 Line Regulation	± 1.0%					
负载调整率 Load Regulation	± 1.0%					
启动与上升时间 Startup & Rise Time	1500mS,700mS/230V AC（满载）(Fully loaded)					
电压范围 Voltage range	95-190VAC(Output Current 50%),195-265VAC(Output Current 100%)　95-190VAC（输出电流50%），195-265VAC（输出电流100%）					
频率范围 Frequency range	45Hz-65Hz					
功率因数 Power Factor	PF≥0.99/230V AC（满载）(Fully loaded)					
效率 Efficiency(MAX)	90%	91.5%	92%	92%	92.5%	93%
交流电流 AC Current	<56A					
漏电流 Leakage Current	<3.0mA/240V AC					
短路保护 Short Circuit	当输入恒流且电压低于额定电压的10%时，输出在1秒后关闭并锁定，并在重新启动后恢复。 When the constant current is entered and the voltage is lower than 10% of the rated voltage, the output is shut down and locked after 1 second, and recovers after restarting.					
过流 Over current	用户可以设置过电流值，使输出延迟5秒，然后关闭输出，重新启动后恢复。 The user can set the over-current value to delay the output for 5 seconds and then shut down the output, and then resume after restarting.					
过压 Overpressure	用户可以设置过压值以关闭输出电压，并在重启后恢复。 Users can set the overvoltage value to shut down the output voltage, and restore after restart.					
过温 Over temperature	Shut down the output, automatically recover or restart after the temperature drops. 关闭输出，温度下降后自动恢复或重新启动。					
输出电压调整 Output voltage adjustment	0-26.4V	0-39.6V	0-52.8V	0-66V	0-121V	0-242V
输出恒流调节 Output constant current adjustment	0-250A	0-166.6A	0-125A	0-100A	0-54.5A	0-27.2A
485通信 485 Communications	Modbus　MODBUS Communication Protocol					
隔离辅助设备 Isolated auxiliary	12V 0.5A （需要定制）(Need customization)					
输出远程开关 Output remote switch	默认电源开启，高电平电源关闭（5V-12V）（需要定制） Default power on, high level power off (5V-12V)　(Need customization)					
报警信号输出 Alarm signal output	电源良好信号（干触点≤36V，0.1A）（需要定制） Power Good Signal (Dry Contact≦36V,0.1A)　(Need customization)					
工作温度 Operating temperature	-20-+60℃					
工作湿度 Operating humidity	-20-90%RH无冷凝 -20 -90% RH No condensation					
储存温度和湿度 Storage temperature and humidity	-40-+85℃，相对湿度10-95%无冷凝 -40-+85℃,10-95% RH No condensation					
抗震性能好 Vibration resistance	10-500Hz，2G10分钟/周期，X、Y、Z 60分钟 10-500Hz,2G10 Min/cycle,X、Y、Z 60 Min					
绝缘电阻 Insulation resistance	输入输出：100Mhms/500VDC/25° C/70%RH Input to Output:100Mhms/500VDC/25° C/70%RH					
耐压性 Pressure resistance	I/P-O/P:2KVAC IP-FG:2KVAC O/P-FG:0.5KVAC					
尺寸 size	432 × 179 × 242mm					
重量 net weight	9 kg					
注意 Remark	1.除非另有规定，所有参数均在230VAC输入电压、额定负载和25℃下测量。 2.使用20MHz带宽示波器测量纹波和噪声电压，该示波器在12英寸双绞线的末端添加了0.1μ和47μ电容器，并在20MHz带宽下进行测量。 3.精度：包括整定误差、线性调节率和负载调节率。 4.输入电压低时，输出必须降额。详见静态特性曲线。 5.冷启动时测量启动时间。频繁切换可能会增加启动时间。 1. All parameters are measured at 230VAC input voltage, rated load and 25℃ unless otherwise specified. 2. Ripple and noise voltage are measured with a 20MHz bandwidth oscilloscope with 0.1μ and 47μ capacitors added to the end of a 12-inch twisted pair, and measured at 20MHZ bandwidth. 3. Accuracy: includes setting error, linear regulation rate and load regulation rate. 4. Output must be derated for low input voltage. Please refer to the static characteristic curve for details. 5. Startup time is measured under cold start. Frequent switching may increase the startup time.					

外形尺寸 Overall dimension(mm)

Static characteristic curve diagram