



SP-18000W单组输出电源 SP-18000W Single output power supply

概述 Summary

- > 单组输出：功率18000W
Single output: power 18000W
- > 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

455 × 345 × 251mm

性能 Specification	型号 Model	SP-18000-24	SP-18000-36	SP-18000-48	SP-18000-60	SP-18000-110	SP-18000-220
直流输出电压 DC voltage		24V	36V	48V	60V	110V	220V
额定电流 Rated current		740A	500A	375A	300A	163.6A	81.8A
电流范围 Current range		0–740A	0–500A	0–375A	0–300A	0–163.6A	0–81.8A
额定功率 Rated Power		18000W					
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 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/230VAC (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 ≥ 0.99/230VAC (满载) (Fully loaded)					
效率 Efficiency(MAX)		90%	91.5%	92%	92%	92.5%	93%
交流电流 AC Current		<110A					
漏电流 Leakage Current		<3.0mA/240VAC					
短路保护 Short Circuit		输入恒流，电压小于额定电压的10%，1秒后关闭并锁定输出，重启后恢复 Enter the constant current and the voltage is less than 10% of the rated voltage, turn off and lock the output after 1 second, and resume after restart					
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 Over voltage		用户可以设置过电压值以关闭输出电压，并在重新启动后恢复。 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		0–740A	0–500A	0–375A	0–300A	0–163.6A	0–81.8A
485通信 485 Communications		Modbus MODBUS Communication Protocol					
隔离辅助电源 isolating auxiliary power supply		12V 0.5A (需要定制) (Need customization)					
输出遥控开关 Output remote control 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 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 Working TEMP.		–20–+60°C					
工作湿度 Working humidity		–20–90%RH非冷凝 –20–90% RH non-condensing					
储存温度和湿度 Storage temperature and humidity		–40–+85°C, 10–95%RH非冷凝 –40–+85°C, 10–95% RH non-condensation					
抗震 Vibration		10–500Hz, 2G 10分钟/T, X、Y、Z轴各60分钟 10–500Hz, 2G 10mins/T, X、Y、Z axis 60 minutes each					
绝缘电阻 Isolation resistance		输入输出: 100Mhms/500VDC/25°C/70%RH Input to Output: 100Mhms/500VDC/25°C/70%RH					
耐压性 Withstand voltage		I/P–O/P: 2KVAC IP–FG: 2KVAC O/P–FG: 0.5KVAC					
尺寸 Dimension		455 × 345 × 251mm					
重量 net weight		22 kg					
注意 Remark		1. 所有未特别提及的参数均在230 VAC输入、额定负载和25°C环境温度下测量。 2. 通过使用端接有0.1uF和47uF并联电容器的12英寸双绞线，在20 MHz带宽下测量纹波和噪声。 3. 公差：包括设置公差、线路调节和负载调节。 4. 如果输入电压低，则需要降低输出功率。详见静态特性图。 5. 设置时间的长度是在冷启动时测量的。打开/关闭电源可能会导致设置时间的增加。 1. All parameters NOT specially mentioned are measured at 230 VAC input, rated load and 25 °C of ambient temperature. 2. Ripple & noise are measured at 20 MHz of bandwidth by using a 12 " twisted pair–wire terminated with a 0 . 1uF & 47uF parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. If the input voltage is low, the output needs to be derated. For details, see the static characteristic diagram. 5. Length of setup time is measured at cold first start, Turning ON/OFF the power supply may lead to increase of the setup time.					

外形尺寸 Overall dimension(mm)

Static characteristic curve diagram

