

DPS1-960W电源 DPS1-960W Power Supplies



特点

- 更高的峰值负载能力
- 最大实现4台并联至3840W
- 内置DC OK继电器触点
- 内置有源PFC功能
- 可调节直流输出电压
- 三年保修

Features

- Higher Peak load capability
- Parallel connections with max 4 PSU up to 3840W
- Built-in DC OK Contact
- Built-in Active PFC Function
- DC Output Voltage Adjustable
- Three Years Warranty

规格参数 Specification

品名 Product name	DPS1-960W-D24-02A(H)	DPS1-960W-D48-02A(H)
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输入参数 Input Parameter

输入电压范围 Input voltage range	180~264VAC 257~370VDC	
输入频率范围 Input frequency range	47...63Hz	
输入电流 Input Current	6A/230VAC	
冲击电流 Impulse current	50A/230VAC cold start	
待机功耗 Power consumption	7W	
接线方式 Connection mode	接线端子 Terminal blocks	

输出参数 Output Parameter

输出效率 Output efficiency	94%	
额定输出电压 Output rated voltage	24V	48V
输出电压可调节范围 Range of output voltage	24~28V	48~55V
额定输出电流 Output rated current	40A	20A
额定输出功率 Rated power	960W	
电压纹波输出(20MHz) Voltage ripple (20MHz)	180 mVp-p	250 mVp-p
启动, 上升时间 Setup , Rise time	1000ms, 100ms/230VAC at full load	
线性调节率 Line regulation	±0.5%	
负载调节率 Load regulation	±1.0%	
漏电流 Leakage current	<3.5mA /240VAC	
温度漂移系数 Coefficient of temperature drift	±0.03%/°C(0~50°C)	
掉电保持时间 Power-down hold time	14ms/230VAC at full load	
开关频率 Switching frequency	50Khz~80Khz	
接线方式 Connection mode	接线端子 Terminal blocks	

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机械参数 Mechanical Parameter

尺寸(L x W x D) Size (L X W X D)	125.2×110×150mm
重量 Weight	2.47kg
外壳材质 Shell material	金属 Metal
DC 指示灯 DC light	OK

环境参数 Environmental Parameter

工作温度 Working temperature	-30~+70 °C (参考“减额曲线”) -30 ~ +70 °C (Refer to "Derating Curve")
存储温度 Storage temperature	-40°C ~ + 85°C
存储湿度 Storage humidity	10~95%RH非冷凝 10 ~ 95% RH non-condensing
工作湿度 Working humidity	20~95%RH非冷凝 20 ~ 95% RH non-condensing
振动测试 Vibration test	IEC60068-2-6(X、Y、Z三轴, 2G) IEC 60068-2-6(X, Y, Z axis, 2G)
运行海拔高度 Operational altitude	2000米 2000m

安全保护参数 Security Parameter

过流保护范围 Overcurrent protection range	正常情况下, 在105~130%额定输出功率范围内工作3秒以上, 然后在30秒后关闭o/p电压, 如果峰值负载条件消除, 则自动恢复。恒定电流限制在130~150%额定输出功率范围内超过3秒, 然后关闭o/p电压, 重新通电恢复 Normally works within 105 ~ 130% rated output power for more than 3 seconds and then shut down o/p voltage with auto-recovery after 30 seconds if the peak load condition is removed. Constant current limiting within 130 ~ 150% rated output power for more than 3 seconds and then shut down o/p voltage, re-power on to recover	
过压保护 Overvoltage protection	29~33V	56~65V
	保护类型: 关闭输出电压, 自动恢复或重启恢复 Protection type : Shut down o/p voltage, recovers automatically after temperature goes down	
过温保护 Overheat protection	保护类型: 关闭o/p电压, 温度下降后自动恢复 Protection type : Shut down o/p voltage, recovers automatically after temperature goes down	
短路保护 Short circuit protection	重启恢复 Restart and restore	
安全标准 Safety standard	UL508,BS/EN62368-1	
平均故障间隔时间 Mean Time between failures	561.17K hrs min. Telcordia SR-332 (Bellcore)	

产品尺寸图 Dimensional Drawing

