

DPS1-WI-480W电源 DPS1-WI-480W Power Supplies



特点

- 单相或两相超宽输入范围180~550VAC
- 内置主动式PFC
- 内置DC OK继电器触点
- 保护:短路/过载/过压/过温
- 内置恒流限制电路
- 高效率93%更低的功耗
- 三年保修

Features

- Single or Two Phase Ultra Wide Input Range 180~550VAC
- Built-in Active PFC Circuit
- Built-in DC OK Contact
- Protection: Short Circuit/Overload/Over Voltage/Over Temperature
- Bulit-in Constant Current Limiting Circuit
- High Efficiency 93% and Lower Power Dissipation
- Three Years Warranty

规格参数 Specification

品名 Product name	DPS1-WI-480W-D24-02A(H)	DPS1-WI-480W-D48-02A(H)
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输入参数 Input Parameter

输入电压范围 Input voltage range	180 ~ 550VAC 254 ~780VDC	
输入频率范围 Input frequency range	47...63Hz	
输入电流 Input current	1.6A/400Vac 4A/230Vac	
冲击电流 Impulse current	冷启动50A COLD START 50A	
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	91%	93%
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	20A	10A
额定输出功率 Rated power	480W	
电压纹波输出(20MHz) Voltage ripple (20MHz)	100 mVp-p	150 mVp-p
启动, 上升时间 Setup, Rise time	800ms, 150ms/400Vac at full load 1500ms, 150ms/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 / 530Vac	
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	18ms/400Vac at full load 16ms/400Vac 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)	85.5×129×125mm
重量 Weight	1.7kg
外壳材质 Shell material	金属 Metal
DC 指示灯 DC light	OK
DC OK 继电器 DC OK contact	60VDC 0.3A, 30VDC 1A, 30VAC 0.5A 阻性负载 60VDC 0.3A, 30VDC 1A, 30VAC 0.5A resistive load

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	组件: 10~500赫兹, 2G 10分钟/1个周期, 沿X、Y、Z轴各60分钟; 安装夹: 符合IEC 60068-2-6的要求。 Component: 10 ~500Hz, 2G 10min./1cycle, 60min. each alongX,Y, Z axes; Mounting clip: Compliance to IEC60068-2-6.
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	105~130%额定输出功率。保护类型: 恒流限制, 装置将在3秒后关闭, 如果故障条件消除, 则在1分钟后自动恢复。 105 ~ 130% rated output power. Protection type : Constant current limiting, unit will shut down after 3 sec., auto-recovery after 1 minute if the fault condition is removed .	
过压保护 Overvoltage protection	29~33V	56~65V
	保护类型: 关闭o/p电压, 如果故障条件消除, 1分钟后自动恢复。 Protection type : Shut down o/p voltage, auto-recovery after 1 minute if the fault condition is removed.	
过温保护 Overheat protection	电源开关散热器上的95°C±5°C (TSW) 检测。保护类型: 关闭o/p电压, 温度下降后自动恢复。 95 °C ±5°C (TSW) detect on heat sink of power switch. Protection type : Shut down o/p voltage, recovers automatically after temperature goes down.	
短路保护 Short circuit protection	自恢复 Self-recovery	
安全标准 Safety standard	UL61010-1.UL61010-2:201,BS EN/EN62368-1	
平均故障间隔时间 Mean Time between failures	700K hrs min. Telcordia SR-332 (Bellcore) ; 112.8K hrs min. MILHDBK-217F (25 C)	

产品尺寸图 Dimensional Drawing

