

500W 单路输出开关电源

Single Output Switching Power Supply

特 征

- 全范围交流输入
- 具有过压、过流、短路、高温保护功能
- 风冷散热
- 100%满负荷烧机测试
- 低价位、高可靠性
- 功率因数：115VAC时PF>0.98;230VAC时PF>0.95
- Full range AC input
- Over-voltage, over current, short circuit protection
- Heat from the cold
- 100% full load burn-in test
- Low-cost, high reliability
- Power Factor: 115VAC when PF>0.98; 230VAC when PF0.95



► 技术参数 Technical parametric

型号 Model	APS02AC-P500-12B	APS02AC-P500-15B	APS02AC-P500-24B	APS02AC-P500-48B
直流输出压 DC output voltage	12V	15V	24V	48V
输出电压容差 Output voltage	± 1%	± 1%	± 1%	± 1%
额定输出电流 Rated output current	40A	32A	20A	10A
输出电流范围 Output current range	0~40A	0~32A	0~20A	0~10A
纹波及噪音 Wave and noise	240mVp-p	240mVp-p	240mVp-p	300mVp-p
进线稳定度 Inlet stability	± 0.5%	± 0.5%	± 0.5%	± 0.5%
负载稳定度 Load stability	± 0.5%	± 0.5%	± 0.5%	± 0.5%
直流输出功率 DC output power	480W	480W	480W	480W
效率 Efficiency	84%	83%	85.5%	87%
直流电压可调范围 Adjustable range for DC voltage	± 10%	± 10%	± 10%	± 10%
输入电压范围 AC input voltage range	88~264VAC 47~63Hz 124~370VDC			
输入电流 Input current	7A/115V 3.5A/230V			
冲击电流 AC inrush current	冷启动电流 Cold start current 18A/115V 36A/230V			
漏电流 Leakage current	<3.5mA/240VAC			
过载保护 Overload protection	105%~135% 关断电流, 自动恢复 Shut off current, automatically restore			
过电压保护 Over voltage protection	输出电压的115%~135%			
高温保护 High temperature protection	RTH1或RH2≥50℃ 风扇开, ≤45℃ 风扇关, ≥70℃ 关闭输出			
温度系数 Temperature coefficient	± 0.03%/°C (0~50℃)			
启动、上升、保持时间 Setup, rise, hold up time	1500ms, 50ms, 20ms			
抗震性 Vibration	10~500Hz, 2G 10分钟/周期, X、Y、Z轴各60分钟			
耐压性 Withstand voltage	输入输出间: 1.5KVAC 输入与外壳: 1.5KVAC 输出与外壳: 0.5KVAC Input and output internal, input and enclosure: 1.5KVAC, output and enclosure: 0.5KVAC			
隔离电阻 Isolation resistance	输入输出间, 输入与外壳, 输出与外壳: 500VDC/100MΩ Input and output internal, input and enclosure, output and enclosure: 500VDC/100MΩ			
工作温度、湿度 Working temperature and humidity	-10℃~+60℃, 20%~90%RH			
存储温度、湿度 Store temperature and humidity	-20℃~+85℃, 10%~95%RH			
重量 Weight	1.9Kg			

► 安装尺寸图 Installation dimensions (mm)

端子台脚位定义

引脚编号	引脚功能	引脚编号	引脚功能
1	AC/L	7	R.C
2	AC/N	8	+S
3	FG	9~11	DC OUTPUT +V
4,5	NC	12~14	DC OUTPUT -V
6	R.C.G	15	-S

