

防水型恒压电源(IP67 Constant Voltage Power Supply)120W



产品特点 (Features) :

1. 恒定电压输出(Constant Voltage design).
2. 输入电压(AC input Voltage range)100-240Vac.
3. 保护功能: 短路保护/过载保护均可自恢复。
(Protections:Short circuit/Over load/Over current)
4. 常温自冷(Cooling by Convection or Forced air)
5. 100% 满载老化(100% full load burn-in test)
6. 高可靠性(High Reliability)
7. IP67防水等级(IP67 waterproof grade)

规格 SPECIFICATION		120-12	120-24
输出 OUTPUT	输出电压 Rated DC voltage	12V ± 0.5V	
	电流范围 Current range	0-10A	
	额定功率 Rated Power	120W	
	纹波及噪声 Ripple & Noise	≤ 120mVp-p	≤ 240mVp-p
	输出上升时间 Setup,Rise time	50ms/230VAC	
	输出保持时间 Hold up time	20ms/230VAC	
输入 INPUT	输入电压范围 Voltage range	AC100-240V (AC110V时最大不超过60%负载)	
	频率 Frequency range	50-60HZ	
	效率 Efficiency(Tpy.)	≥ 83%	≥ 85%
	功率因素 Power factor	0.65 (max)	
	漏电流 Leakage current	0.25mA/230VAC	
保护 PROTECTION	过流保护 Over Current	105%-130%	
		保护类型: 打嗝式保护/自恢复 Protection type: Hiccup mode	
	短路保护 Reset After Shutdown	短路保护: 自恢复 after the fault has been removed	

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使用环境 ENVIRONMENT	工作温度 Working TEMP.	-30℃-45℃
	存储温度 Storage TEMP.	-40℃-80℃
	相对湿度 Working Humidity	0--100%
	振动 Vibration	10-500HZ, 2G 10min/1cycle, preiod for 60min, each along X, Y, Z axes
	温度系数 TEMP. coefficient	±0.03%℃ (0-50℃)
安规及电磁兼容 SAFETY&EMC	安全标准 Safety Standards	Design refer to LVD EN61347-2-13:2006, EN61347-1:2008
	耐压 With stand Voltage	I/P-O/P:1.5KVAC, I/P-COVER:1.5KVAC, O/P-COVER:500VDC
	绝缘电阻 Isolation Resistance	I/P-O/P:>100M Ohms/500VDC/25℃/70% RH
	电磁兼容 EMC	
其它 OTHERS	寿命 MTBF	50KHours (25℃)
	尺寸 Dimension	188.5*56*30mm(L*W*H) 不含线 (Without line)
	重量 Weight	470g
	包装 Packaging	35.5*27*22.5cm 30PCS

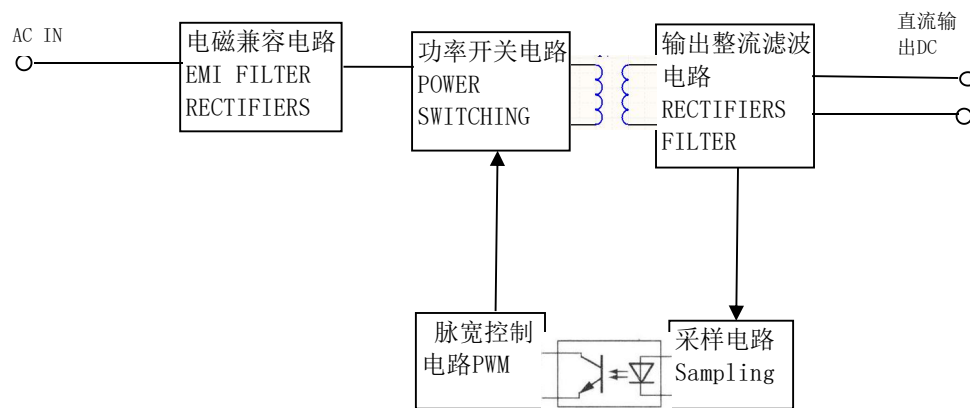
安装尺寸(单位:mm)
Configuration dimensions(Unit:mm)

The technical drawing shows two views of the power supply. The top view is a rectangle with overall dimensions of 188.5mm (length) by 56mm (width). It includes internal dimensions of 174.5mm and 165mm. The width of 56mm is composed of a 24mm section and a 12mm section. The side view shows the unit's height as 30mm. The unit has a central rectangular area with horizontal lines, likely representing a heat sink or PCB, and mounting tabs on the left and right sides.

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组成结构图：

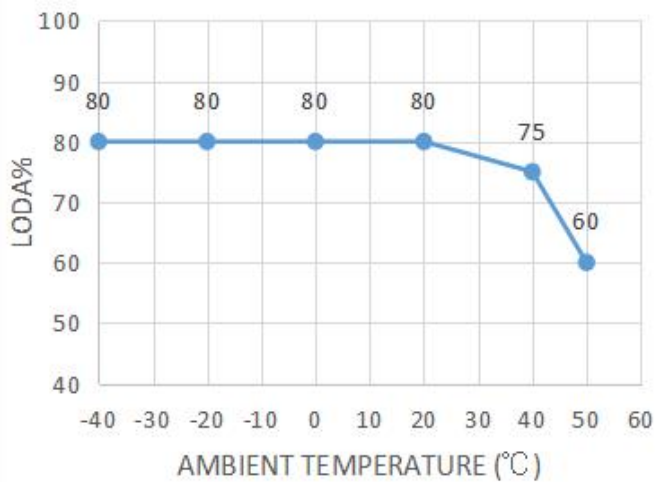
Circuit diagram:



带载降额曲线：

Load derating curve:

Derating



Static Characteristics T= 25°C

