

特点

- * 外形尺寸: 144.0 × 66.0 × 39.0mm
- * 宽输入电压范围
- * 功率因数校正(PFC)

Features

- * Size: 5.67 × 2.60 × 1.54 inch
- * Wide Input Voltage Range
- * Power Factor Corrected (PFC)

型号(Model Number) : PCA60-220D12-12

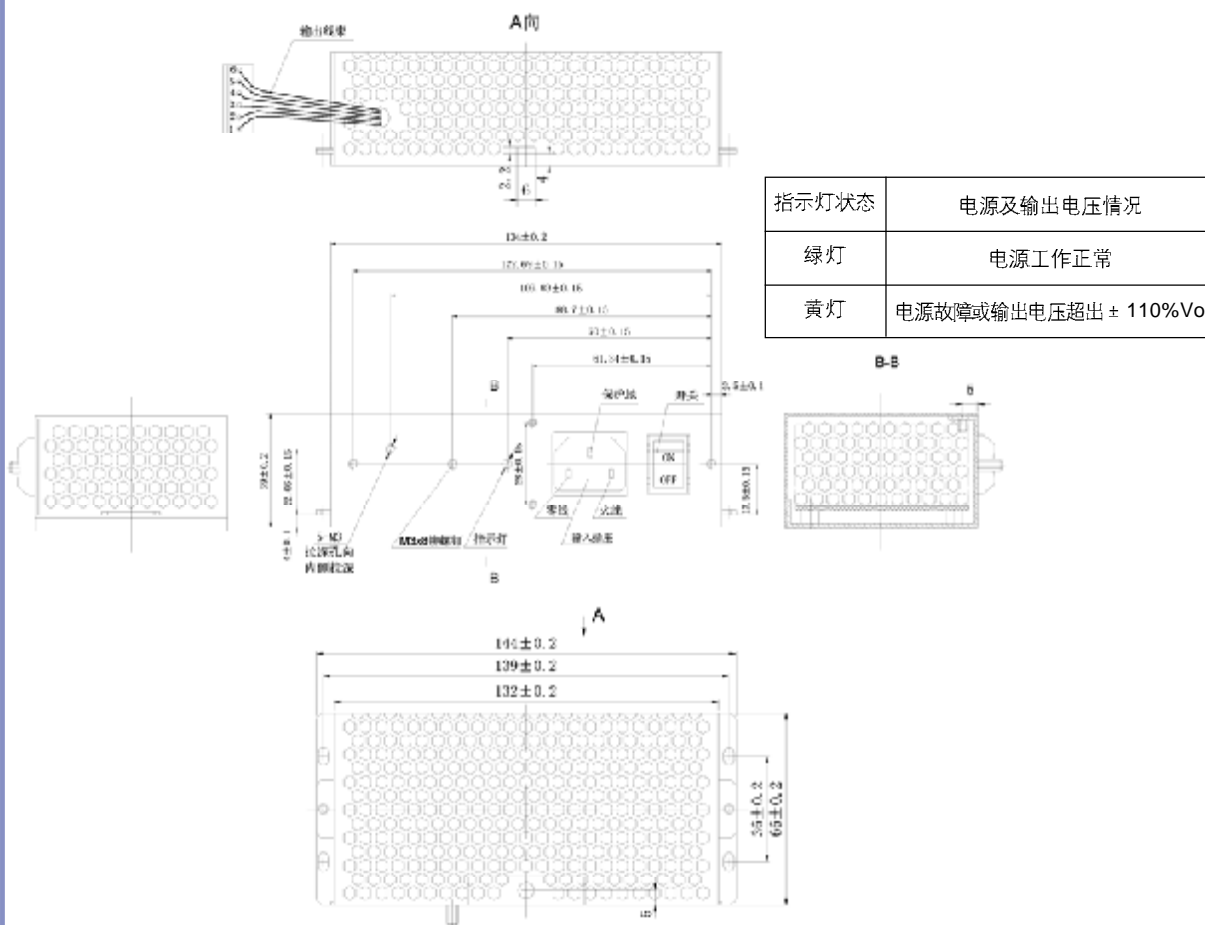
输入特性 (Input)		注释(Notes and Conditions)
输入电压范围(Input Voltage Range)	220Vac	85~264Vac
输入电压频率(Input Frequency Range)	47~63Hz	

输出特性 (Output)		注释(Notes and Conditions)
输出电压标称值(Output Voltage Nominal)	± 12Vdc	
输出电压精度(Voltage Set-Point Accuracy)	Vo1: ± 1%Vo1; Vo2: ± 2%Vo2	
输出电流标称值(Output Current Nominal)	Io1: 4A; Io2 : 1A	
源效应(Line Regulation)	Vo1: ± 1%Vo1 ; Vo2: ± 2%Vo2	
负载效应(Load Regulation)	Vo1: ± 1%Vo1 ; Vo2: ± 10%Vo2	20%~100%Io, Vinom
输出过压保护点(Output Overvoltage Protection)	110%~125%Vo	关断输出重新上电启动
短路保护(Short-Circuit Protection)	Continuous, Automatic Recovery	(Shutdown, Manual Reset)
上电启动时间(Turn on Time)	< 2s	
断电保持时间(Hold-up Time)	> 20ms	
输出过流保护(Current Limit Threshold Range)	105%~130%Io1	Continuous, Automatic Recovery
	105%~200%Io2	Continuous, Automatic Recovery
瞬态响应(Dynamic Response)		
过冲幅度(Overshoot Deviation)	< ± 5%Vo	
跌落幅度(Undershoot Deviation)	< ± 5%Vo	
恢复时间(Settling Time)	< 200 μs	
输出纹波及噪声峰峰值(Output Ripple and Noise)	Vo1: 120mV(p-p) Vo2: 120mV(p-p)	
功率因数 (Power Factor)	> 0.96	满载(Full Load)

一般特性 (General)		注释(Notes and Conditions)
温度系数(Temperature Coefficient)	± 0.03%/℃	
工作环境温度(Ambient Temperature)	-20℃ ~ + 55℃	
存储温度(Storage Temperature)	-40℃ ~ + 85℃	
过温保护(Over Temperature Protection)	+85℃ ± 15℃	Continuous, Automatic Recovery
效率 (Efficiency)	79%	Full Load, Vinom
平均故障间隔时间(MTBF)	2 × 10 ⁵ h	Refer to MIL-HDBK-217
绝缘强度(Isolaion Voltage)		
输入与输出(Input-Output)	1500Vac/10mA, 1min	
输入与外壳 (Input-Case)	1500Vac/10mA, 1min	

安装尺寸(Mechanical Drawing)

尺寸单位是 mm; All Dimensions in mm



指示灯状态	电源及输出电压情况
绿灯	电源工作正常
黄灯	电源故障或输出电压超出 $\pm 110\%V_o$

接插件	输入插座	输出线束					
引脚	见上图	1	2	3	4	5	6
引线颜色		红	红	黑	黑	白	棕
符号		+Vo1	+Vo1	Com	Com	Fault	+Vo2
定义		+12V 输出		公共端		故障信号	-12V 输出

温度降额曲线(Temperature Derating Curve)

