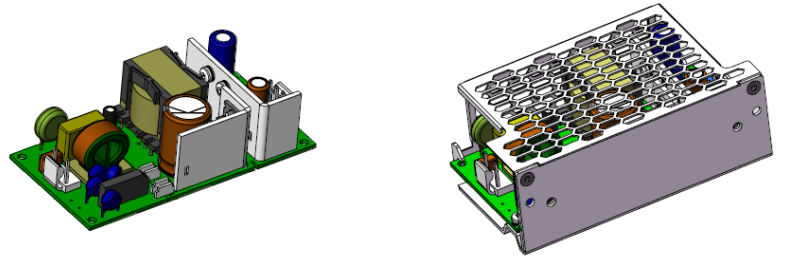




SKY OPEN FRAME



SKY 系列电源

特点

- 单相开关电源
- 工作温度广 (-25°C至70°C)

- 紧凑尺寸
- 超薄设计



- 1.HS1,HS2 cannot be shorted.
- 2.HS1 must have safety isolation distance with system case.

AC Input Connector (CN1) : JST B3P-VH or equivalent

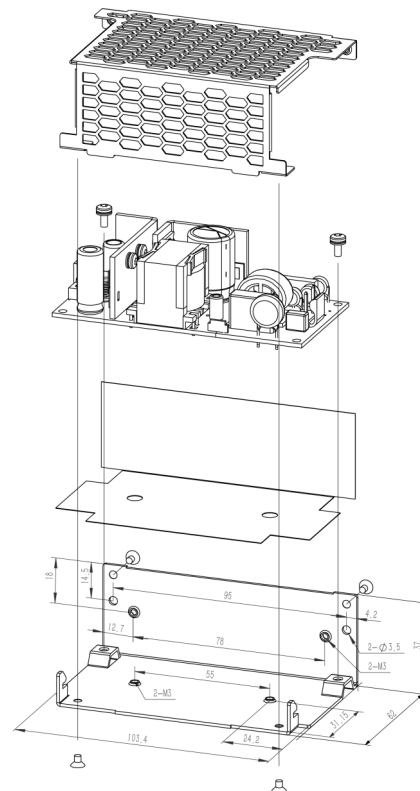
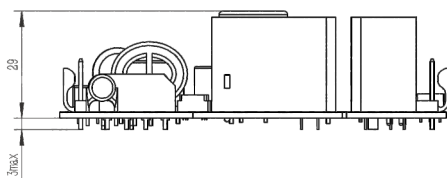
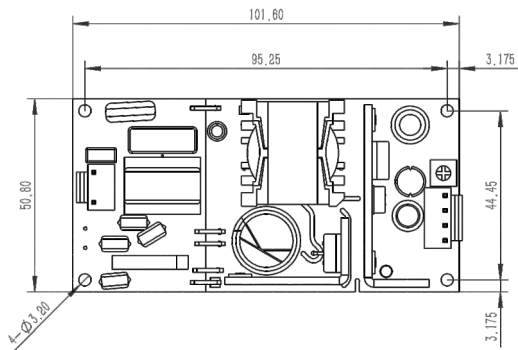
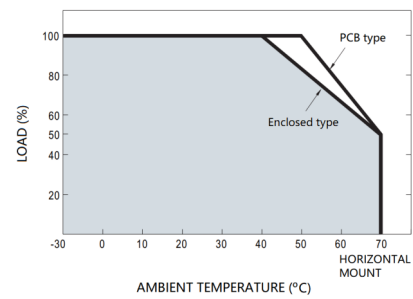
Pin No.	Assignment	Mating Housing	Terminal
1	AC/N	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	No Pin		
3	AC/L		

DC Output Connector (CN2) : JST B4P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1,2	+V	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
3,4	-V		

⏏ : Grounding Required ;M1 and M2 are Safety ground and should all be grounded.

OUTPUT DERATING





技术参数

SKY 系列电源

参数	型号	无外壳		WAT-0401-02		WAT-0401-03		WAT-0401-04		WAT-0401-05		WAT-0401-06		WAT-0401-07		WAT-0401-08	
		有外壳		WAT-0401-12	WAT-0401-13	WAT-0401-14	WAT-0401-15	WAT-0401-16	WAT-0401-17	WAT-0401-18							
输入	额定输入电压	AC 100 V ... 240 V															
	输入电压范围	AC 90 V ... 264V															
	欠压 / 恢复	No Damage to PSU (Start decreasing < 88Vac)															
	频率范围	47 Hz ... 63 Hz															
	最大输入电流	1.8A@115Vac 1A@230Vac															
	效率@230V	75 %	79 %	86.5 %	88 %	90.5 %	90.5 %	89.5 %									
	待机损耗	<0.5W															
	漏电流	<2mA @240Vac															
	冲击电流	60A@230Vac, cold start @25°C															
	保持时间	16ms at full load@115Vac 50ms@230Vac															
输出	标准输出电压	5V	7.5V	12V	15V	24V	36V	48V									
	输出电压范围	4.75~5.5V	7.12~8.25V	10.8~13.5V	13.5~16.5V	21.6~27V	32.4~39.6V	43.2~52.8V									
	输出功率 (IA)	30W	40.5W	45W	45W	45W	45W	48W									
	输出电流 (I _o)	6A	5.4 A	3.75A	3A	1.9A	1.25A	1 A									
	输出调整率	±2.0%	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%									
	纹波 *备注 1	80mVp-p	100mVp-p	120mVp-p	150mVp-p	240mVp-p	280mVp-p	300mVp-p									
	动态负载响应 *备注 2	<2%															
	线性调整率	<0.5%															
	负载调整率	<1%	<1%	<1%	<0.5%	<0.5%	<0.5%	<0.5%									
	开机延时	<2s at 115Vac, <1s at 230Vac @Full Load															
	工作指示灯	LED 1x green															
	保护功能	过流保护(OCP)	Hiccup, 105%~140% Full load typical														
过压保护		Latched															
短路保护(SCP)		Hiccup, recovers automatically															
过温保护		Hiccup, No Damage															
环境	环境温度	-25 °C ... +70 °C; Start@-25 °C															
	温度降额	-2.5% / K (> 50 °C PCBA only) (> 40 °C Enclosure type)															
	存储温度	-25 °C ... +70 °C															
	湿度	95% non-condensing															
	污染等级	2 (gem. EN50178)															
	气候等级	3K3 (EN60721)															
安全	海拔高度	4000m															
	安全等级	I															
	防护等级	IP20															
	过压类别	II 2000m															
电磁兼容	抗干扰	ESD	Criteria A, EN61000-4-2 air ±8KV , Contact ±6KV														
		高频电磁场	Criteria A, EN61000-4-3, 80MHz-1GHz, 10V/m, 2GHz-3GHz 10V/m														
		脉冲	Criteria B, EN61000-4-4 1kV														
	辐射	浪涌	Criteria B, EN61000-4-5 2kV com; 1 kVdiff														
		传导干扰	Criteria A, EN61000-4-6 (150kHz-80MHz), 10V														
		输入变化	Dip 70% 0.5cycle, Crit B Dip 40%, 5 cycle, Crit C Dip <5%, 250cycles 50Hz, Crit C, EN61000-4-11 voltage dip														
连接器	交流	L/N/Earth, Conductor cross section (26~16AWG, 0.2~1.5mm ²), strip length 8mm															
	直流	Output terminal+/-, Conductor cross section (26~16AWG, 0.2~1.5mm ²), strip length 8mm															
其他	MTBF	500k hrs, 500.000h (gem. SN29500)															
	最大尺寸 (mm) D X W X H	PCB:102*51*29(LxWxH);															
	重量	125g无外壳/245g有外壳															
备注	*备注1: 20MHz带宽, 用1uF的多层陶瓷电容器和100uF的E-Cap测量 *备注2: 0.6A/us 100Hz或1K转换速率; 50%工作负载 *备注3: 有外壳版本通常具有更好EMC性能。所以对于非金属外壳最终产品最好使用有外壳版。																