

常州市创联电源科技股份有限公司

Changzhou Chuanglian Power Supply Technology Corporation

承认书

CERTIFICATE FOR CONFIRMATION

客户名称 (CUSTOMER) : _____
客户料号 (PART NO.) : _____
产品名称 (PART NAME) : 开关电源
产品规格 (DESCRIPTION) : A-50FAL
编制日期 (DATE) : _____

制定 (Engineer)	审核 (Supervisor)	核准 (Engineer Manager)
承认 (Engineer)	审核 (Supervisor)	核准 (Engineer Manager)

注:此承认书一式二份,请签核完后寄回我司一份保存。

Remark:This certification is in duplicate,please send us a copy signing.

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编号:



A-50FAL Switching Power Supply



◆ Features:

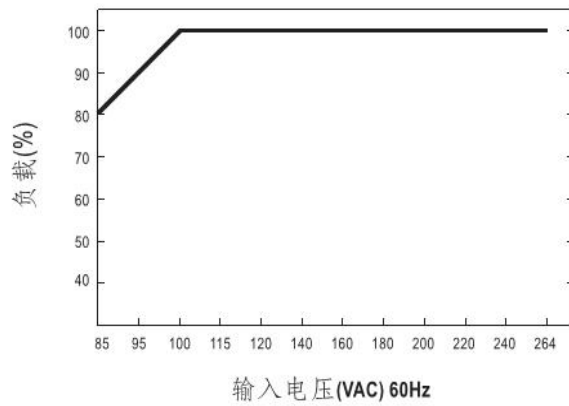
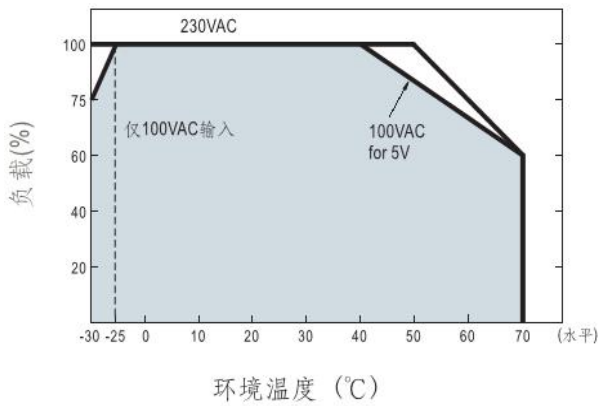
- Universal AC input
- No Load Power Consumption < 0.2W
- Protections: short circuit/overload
- Cooling by free air convection
- 100% pass aging test
- 3 years warranty

General Specifications

Model No.	A-50FAL-5	A-50FAL-12	A-50FAL-24	A-50FAL-36	A-50FAL-48	
Output	DC voltage	5V	12V	24V	36V	48V
	Rated current	10A	4.2A	2.2A	1.45A	1.1A
	Current Range	0~10A	0~4.2A	0~2.2A	0~1.45A	0~1.1A
	Rated power	50W	50.4W	52.8W	52.2W	52.8W
	Ripple & Noise	80mVp-p	120mVp-p	150mVp-p	200mVp-p	200mVp-p
	Voltage regulation range	±10.0%				
	Voltage accuracy	±1.0%				
	Line regulation	±0.5%				
	Load adjustment rate	±0.5%				
	Rise	1000ms, 30ms/230VAC Full Load				
Hold up time (Typ)	30ms/230VAC 12ms/115VAC 100% Load					
Input	Voltage range	100~240VAC;				
	Frequency	47~63HZ				
	PFC (Typ)					
	Efficiency (Typ)	83%	85%	88%	89%	90%
	Alternating current	0.95A/115VAC, 0.56A/230VAC				
	Inrush current (Typ)	45A/230VAC				
Leakage current	<3.5mA/240VAC					
Protecti ons	Overload	110~150% of rated output				
	Short circuit	Hiccup mode, auto-recovery				
Envirome nt	Working temp.	-30℃~+50℃ (refer to output derating curve)				
	Working humidity	20~95%RH non condensing				
	Storage temp.	-40℃~+85℃				
	Storage humidity	10~95%RH non condensing				
	temp. coefficient	±0.03%/℃ (0~50℃)				
	Vibration resistance	10~500Hz, 2G, 10min/cycle, X、Y、Z 60min in each direction				
Safety	Safety standards	design according to GB4943-2001, UL1012				
	withstand voltage	I/P-O/P:3.0KV AC、I/P-FG: 2.0KV AC、O/P-FG: 0.5KV AC				
	Isolation Resistance	I/P-O/P、I/P-FG、O/P-FG: 100MΩ/500VDC				
	EMC	EN55022 CLASS B				
Others	Lifetime	100,000 hours(25℃)				
	Size	99×82×30 (L*W*H)				
	Weight	0.23Kg/pc				
Remarks	<p>*In order to extend the lifetime, it is recommended to configure the load no more than 30% of the remaining allowance. For example: the power of the device requires 100W, then use the power of less than 130W.</p> <p>*Ripple test method: 20MHz oscilloscope in power output terminal test, oscilloscope probe wire length is not more than 12mm, and input parallel 47uF electrolytic capacitors and 0.1uF high frequency capacitance probe.</p>					



Load temperature drop curve

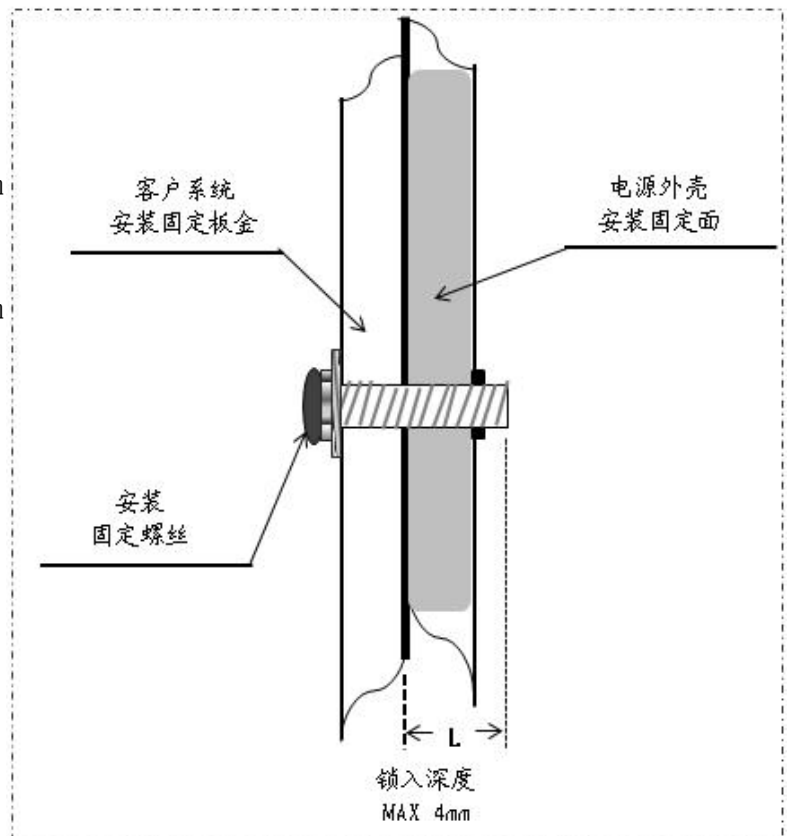


Installation

警示

Warning

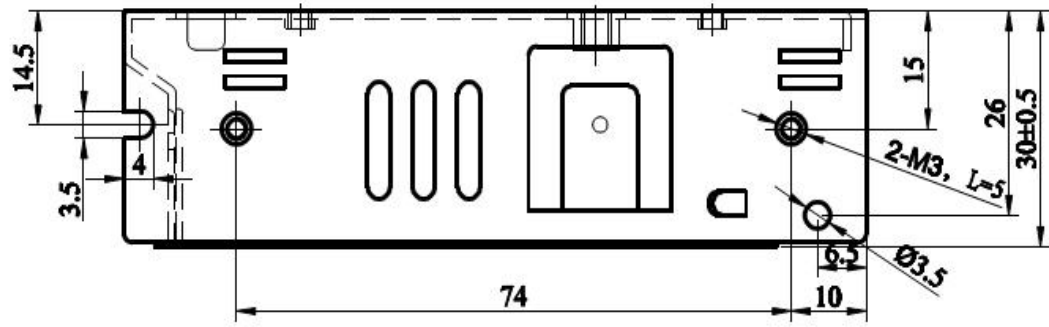
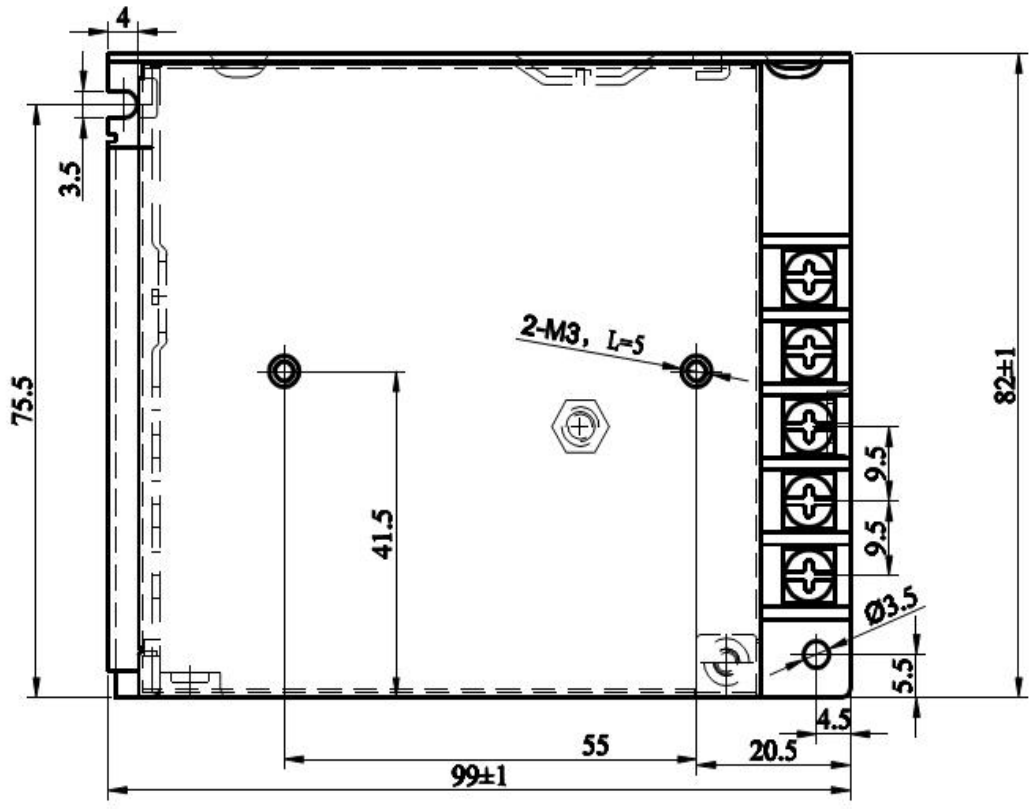
- 使用安装螺丝M3*6mm,
Using the mounting screws M3*6mm
- 深入外壳螺丝深度MAX 4mm,
Deep housing screw depth Max 4mm
- 详见右图
As shown on the right





A-50FAL Switching Power Supply

Drawing:



Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC output (V-)
2	AC/N	5	DC output (V+)
3	FG		