



A-100FAN Switching Power Supply



◆ Features

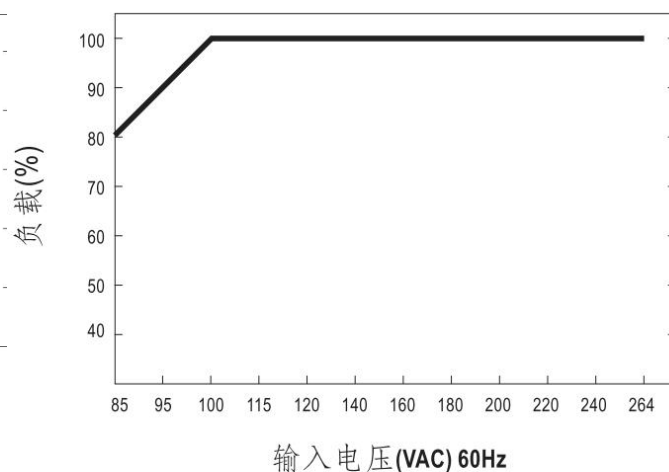
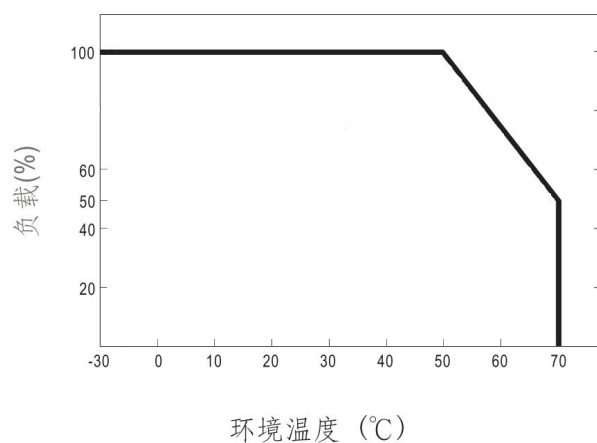
- Universal AC input
- No load power consumption<0.3W
- Cooling by free air convection
- Protections: short circuit/overload
- 100% pass aging test
- 3 years warranty

General Specifications

Model No.		A-100FAN-5	A-100FAN-12	A-100FAN-24	A-100FAN-36	A-100FAN-48
Output	DC voltage	5V	12V	24V	36V	48V
	Rated current	18A	8.5A	4.5A	2.8A	2.3A
	Current Range	0~18A	0~8.5A	0~4.5A	0~2.8A	0~2.3A
	Rated power	90W	102W	108W	101W	110W
	Ripple & Noise	100mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p
	Voltage regulating range	±10.0%				
	Voltage accuracy	≤1.0%				
	Line regulaiton	≤1.0%				
	Load adjustment rate	≤1.0%				
	Rise	≤30ms / rated load				
	Hold up time (Typ)	30ms/ rated load				
Input	Voltage range	85~264VAC;				
	Frequency	47~63HZ				
	PFC (Typ)					
	Efficiency (Typ)	86%	88%	90%	90.5%	91%
	Alternating current	MAX 1.9A/115V 1.2A/230V				
	Inrush current (Typ)	50A/230VAC				
	Leakage current	<0.75mA/240VAC				
Protec tions	Overload	120~150% of rated output, auto-recovery				
	Short circuit	Hiccup mode, auto-recovery				
	Over Voltage	120%-140% rated output voltage, Shut down o/p voltage, re-power to recover				
Enviro ment	Working temp.	-30℃~+70℃ (refer to output derating curve)				
	Working humidity	20~95%RH non condensing				
	Storage temp.	-40℃~+80℃				
	Storage humidity	10~95%RH non condensing				
	Temp. coefficient	±0.03%/℃ (0~50℃)				
	Vibration resistance	10~500Hz, 5G, 10min/cycle, X、Y、Z 60min in each direction				
Safety	Safety standards	design accoring to UL60950-1, EN60335-1, CCC GB4943				
	Withstand voltage	I/P-O/P:3KV AC、I/P-FG: 2KV AC、O/P-FG: 0.5KV AC				
	Isolation Resistance	I/P-O/P、I/P-FG、O/P-FG: 100MΩ/500VDC/25℃/70%RH				
	EMC	EN55022				
Others	Lifetime	380,000 hours(25℃)				
	Size	129×97×30 (L*W*H)				
	Weight	0.34Kg/pc				
Rmarks	*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. *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					



Load temperature drop curve

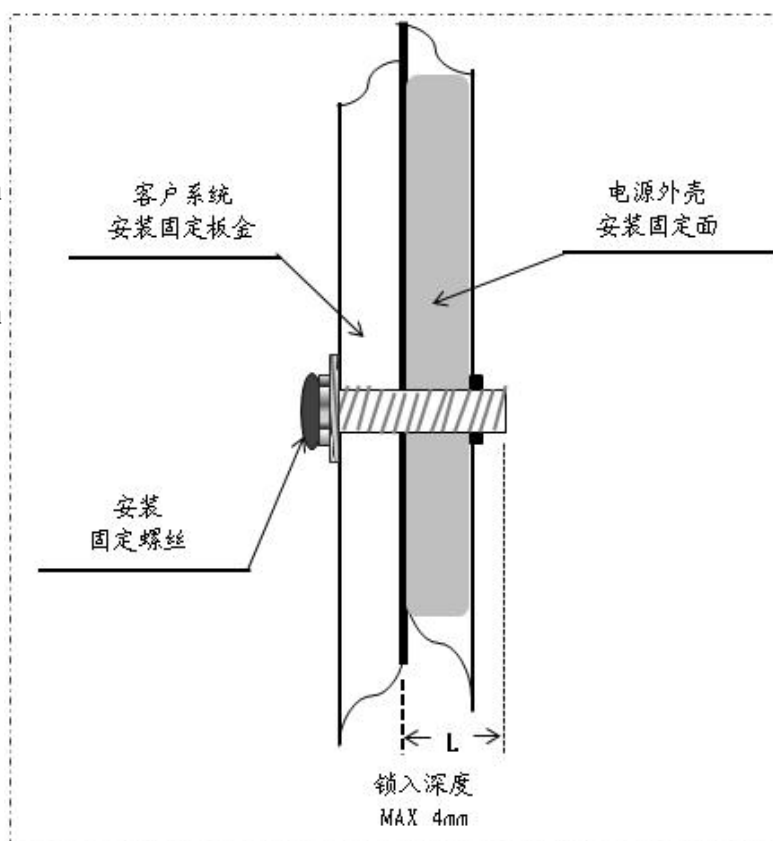


Installation

警示

Warning

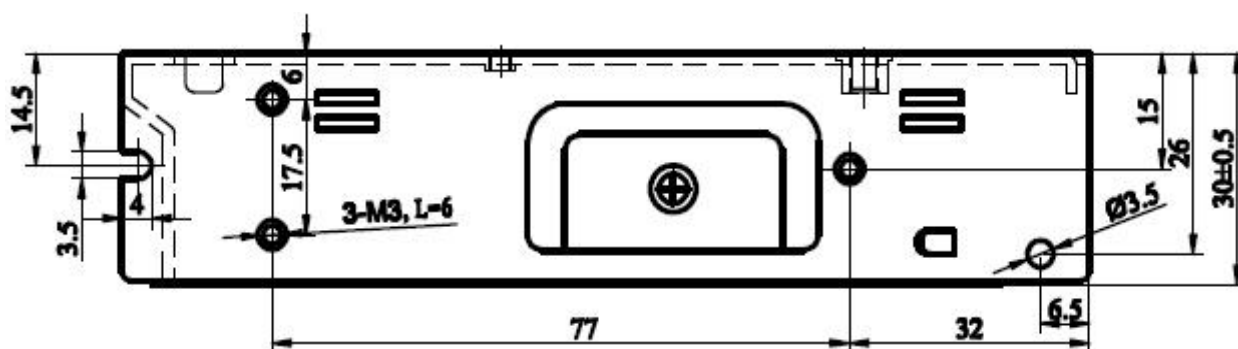
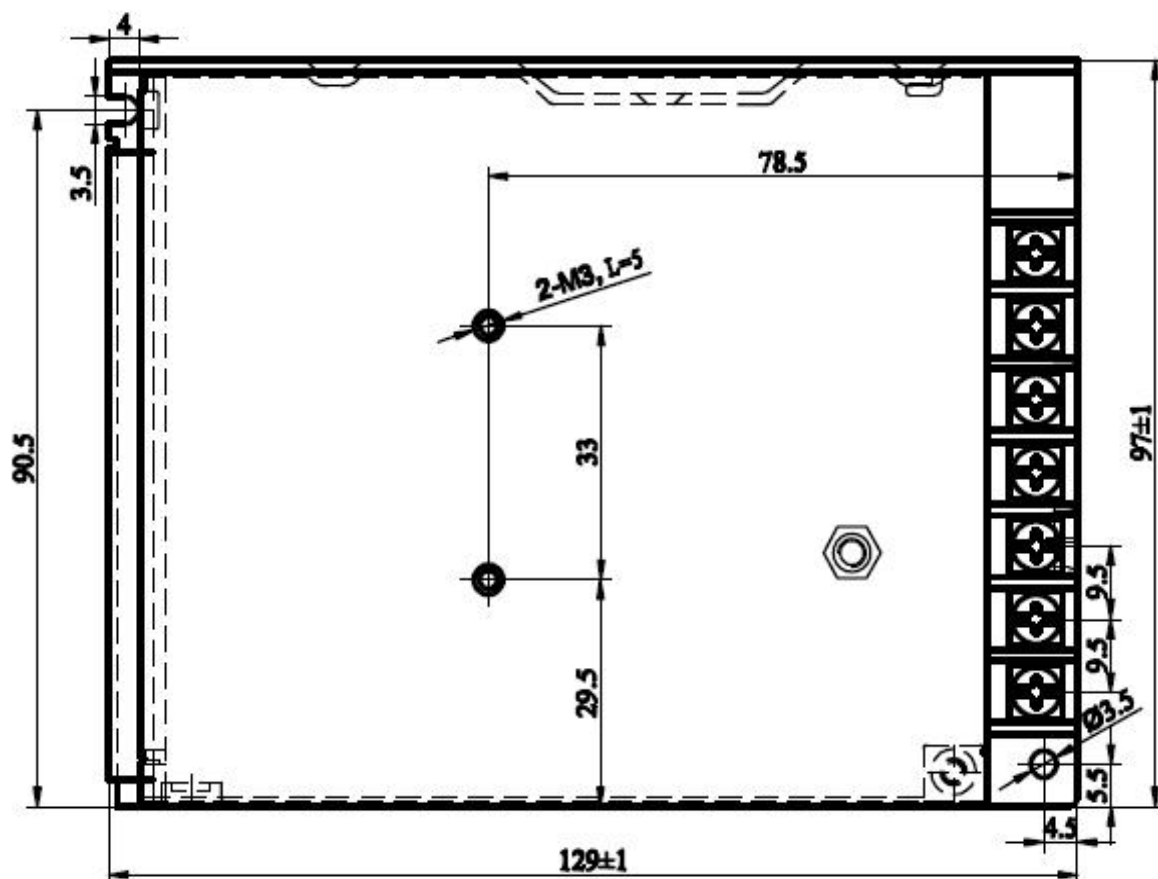
- 使用安装螺丝M3*6mm,
Using the mounting screws M3*6mm
- 深入外壳螺丝深度MAX 4mm,
Deep housing screw depth Max 4mm
- 详见右图
As shown on the right





A-100FAN 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		