



10W Single Output Switching Power Supply

SF-10series



尺寸：78×48×21mm

Features

Full range of international general ac voltage input

Small volume, light weight, high efficiency

Protection characteristics: short circuit/overload/pressure/thermal

Natural air cooled

Has the boot display (light emitting diode)

100% full load and machine test

one years quality assurance

Electrical specifications



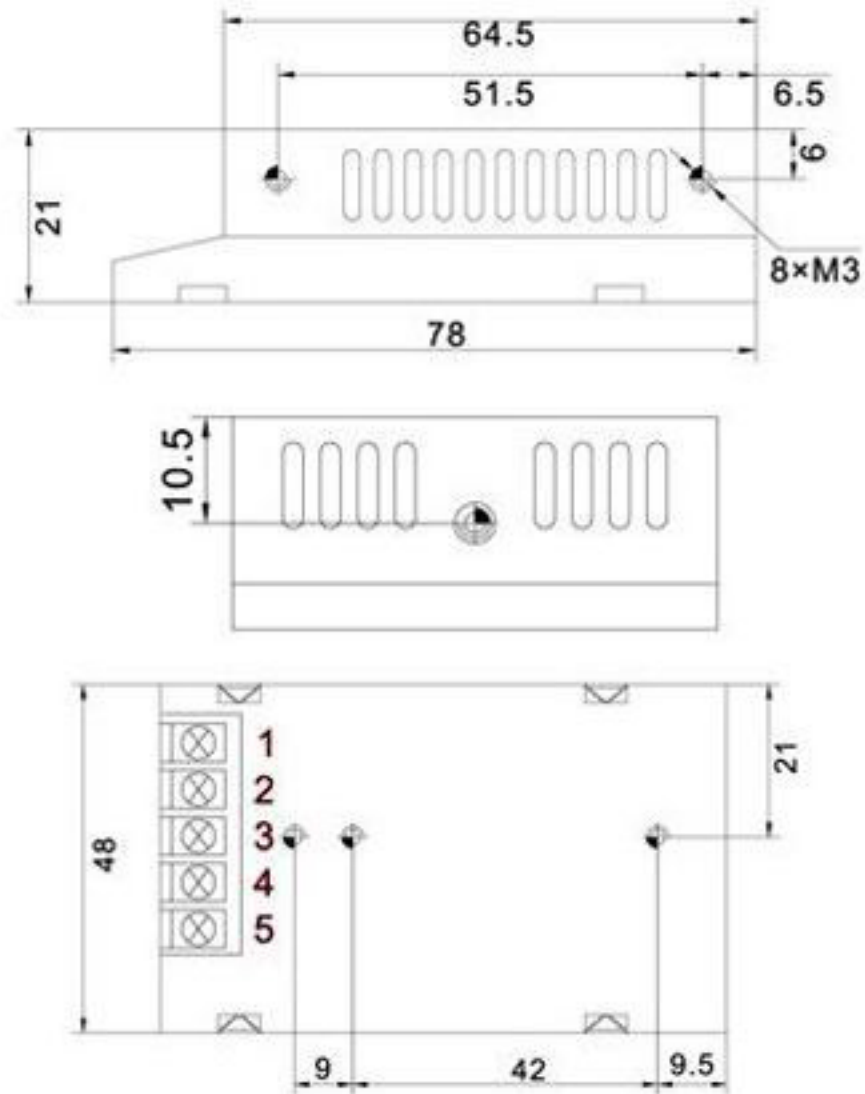
Type		SF-10-5	SF-10-12	SF-10-24
Output	Dc output voltage	5V	12V	24V
	Output voltage tolerance	± 1%	± 1%	± 1%
	Rated output current	2A	1.0A	0.5A
	Output current range	0-2A	0-1.0A	0-0.5A
	Output power	10W	12W	12W
	Ripple and the noise	80mVp-p	120mVp-p	120mVp-p
	Dc voltage adjustable scope	-9%~+10%	± 10%	± 10%
	Start, up, and keep time	500ms,20ms,24ms/230VAC.800ms,30ms,20ms/115VAC		
Input	Input voltage range	90~264VAC 47~63Hz, 125~373VDC		
	Exchange input current	0.25A/115VAC 0.15A/230VAC		
	Efficiency	76%	79%	81%
	Impulse current	Cold start current 30A/230VAC		
	Leakage current	<0.25mA/240VAC		
Protection characteristics	Overload protection	Rated output power of 115% ~ 135% start over load protection		
		Protection way: hiccups mode, load abnormal conditions can be removed to recover		
	Over-voltage protection	125%~150%	125%~150%	125%~150%
		Protection way: hiccups mode, abnormal conditions can be removed to recover		
	Over-voltage protection	Internal contacts transistor temperature more than 150 ℃, start thermal protection		
Environment	Working temperature, humidity	-10℃~+60℃;20%~90%RH(Please refer to reduce the specified number load curve)		
	Keep temperature, humidity	-20℃~+85℃;10%~95%RH No condensation		
	Vibrate resistance	10~500Hz, 2G 10min./1 cycle, duration 60 minutes, the axis		
Security	Compression sex	Input/output between: 1.5KVAC Input and ground: 1.5KVAC Output and ground: 0.5KVAC		
	Insulation resistance	Input/output between: Input and the earth, the output and the earth: 100M Ohms/500VDC		
Conform to the standards	Safety standards	Accord with UL1012		
	EMC standards	Accord with EN55022, CLASSA		
Other	Weight	0.08kg 78*48*21 (L*W*H)		
	Packaging	0.08kg/200pcs/17kg/0.9CUFT		
Note	1. All the parameters in has not specified, all is in 230VAC voltage input, rated load and 25℃ conditions measuring income value. 2. Ripple and noise voltage is in 20MHz bandwidth with 12 inches oscilloscope twisted pair end and 0.1μ and 47μ capacitance measurement when. 3. Tolerance is voltage setting error, the voltage adjustment rate and the current adjust rate combined.			



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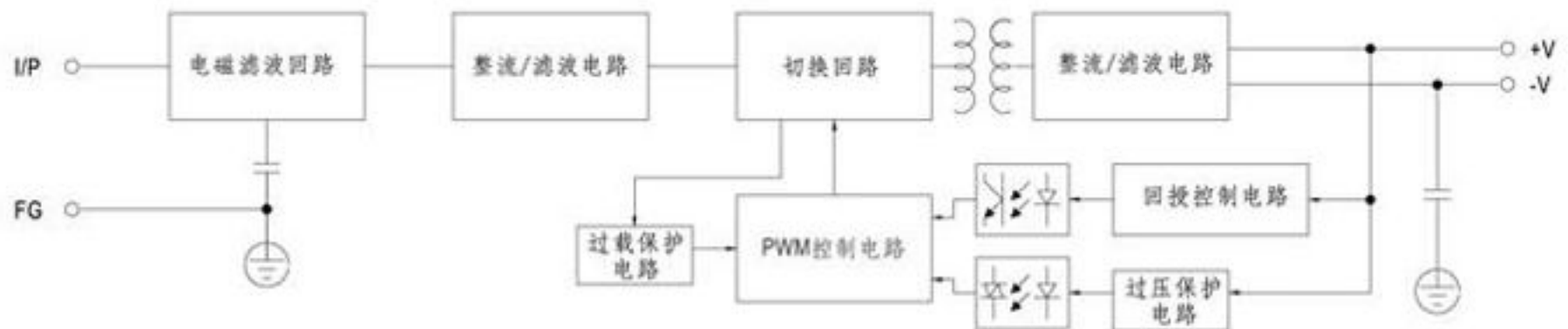
■ 机构尺寸 单位:mm



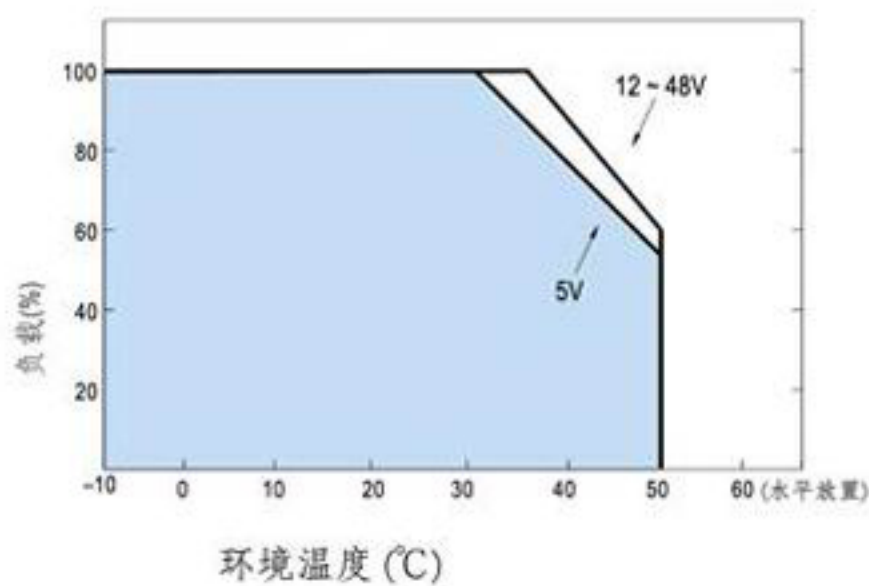
端子Pin脚分配

Pin脚编号	分配	Pin脚编号	分配
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG $\perp$		

■ 原理图



■ 负载减额曲线



■ 静态特性曲线

