



400W Single Output Switching Power Supply

FS-400series



- Features:
- Input voltage range communication by the switch
 - Small volume, light weight, high efficiency
 - Protection characteristics: short circuit, overload, pressure, temperature
 - The built-in cooling dc fan
 - The built-in cooling fan control
 - Has the boot display (light emitting diode)
 - 100% full load and machine test
 - 1 years quality assurance

Electrical specifications

IP33 CE

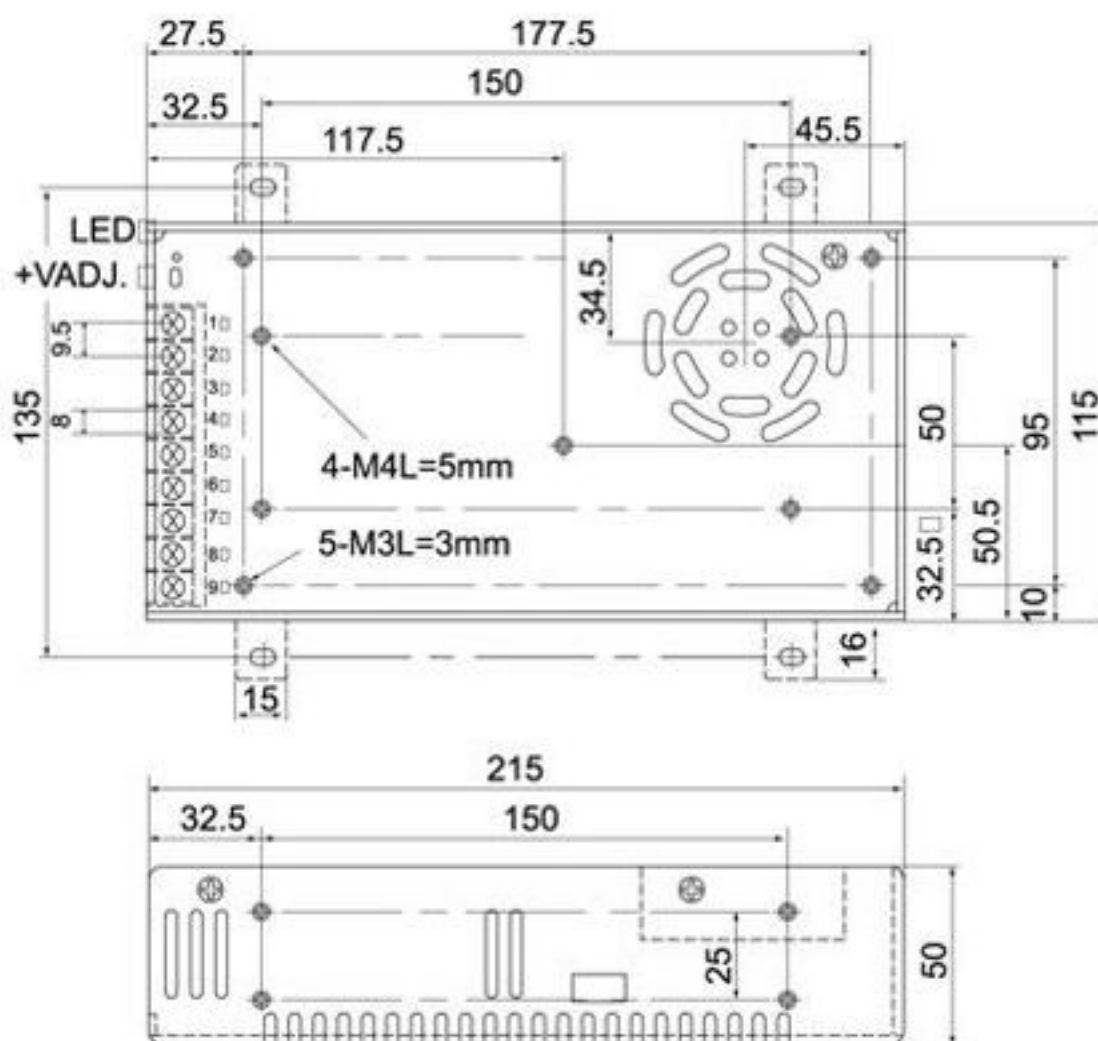
Type		FS-400-5	FS-400-12	FS-400-24
Output	Dc output voltage	5V	12V	24V
	Output voltage tolerance	±1%	±1%	±1%
	Rated output current	60A	33A	16.5A
	Output current range	0-60A	0-33A	0-16.5A
	Output power	300W	396W	396W
	Ripple and the noise	100mVp-p	150mVp-p	150mVp-p
	Dc voltage adjustable scope	-9%~+10%	±10%	±10%
	Start, up, and keep time	200ms,40ms,30ms/230VAC		
Input	Input voltage range	90~132VAC/180~264VAC(The switch choice)47~63Hz,255~373VDC		
	Exchange input current	7.5A/115A 4.5A/230VAC		
	Efficiency	78%	80%	82%
	Impulse current	Cold start current 60A/230VAC		
	Leakage current	<3.5mA/240VAC		
Protection characteristics	Overload protection	Rated output power of 105% ~ 135% start over load protection		
		Protection way: rated current restrictions, load can be removed abnormal conditions after recovery		
	Over-voltage protection	6~7V	15~17V	28~30V
		Protection way: hiccups mode, remove abnormal conditions can be restored		
	Thermal protection	≥55℃Fans start, ≥50℃Fan stop,≥85℃Start thermal protection		
		Protection way: shut off the output, when the temperature can be restored after returning to normal		
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	Between input and output: input and the earth, the output and the earth:100M 0hms/500VDC		
Conform to the standards	Safety standards	Accord with UL1012		
	EMC standards	Accord with EN55022,CLASSA		
Other	Weight	1.0kg 215*115*50mm (L*W*H)		
	Packaging	1.0kg/24pcs/25kg		

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 oscilloscope take 12 inches double lines end with 0.1μand 47μ when capacitance measurement.

3. Tolerance is voltage setting error, the voltage adjustment rate and the current adjust rate combined.

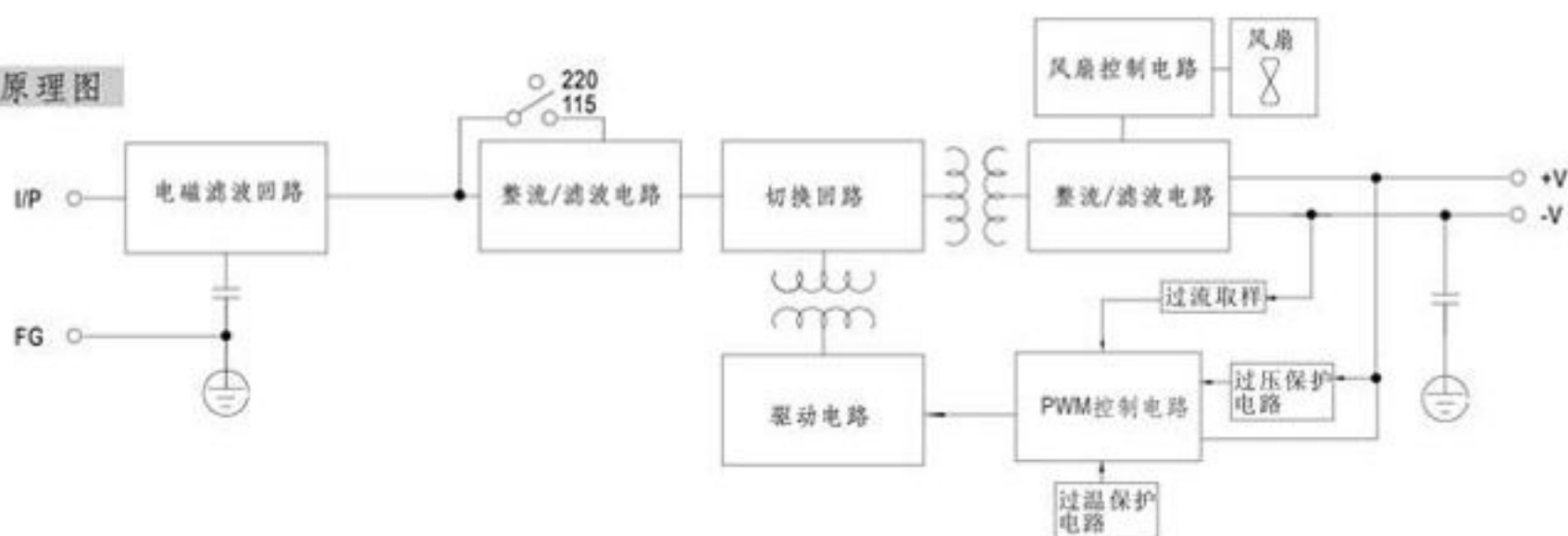
■ 机构尺寸 单位:mm



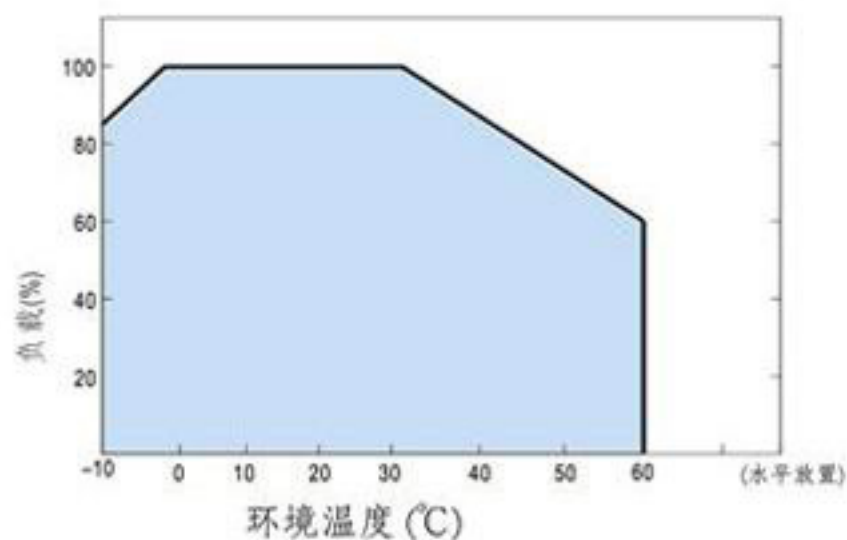
端子Pin脚分配

Pin脚编号	分配	Pin脚编号	分配
9	AC/L	4~6	DC OUTPUT -V
8	AC/N	1~3	DC OUTPUT +V
7	FG		

■ 原理图



■ 负载减额曲线



■ 静态特性曲线

