



- Features:
- 170 ~ 264 VAC exchange input
 - Small volume, light weight, high efficiency
 - Protection characteristics: short circuit, overload, pressure
 - Natural air cooled
 - Meet the IP33 level
 - 100% full load and machine test
 - 2 years quality assurance

Electrical specifications

IP33 CE

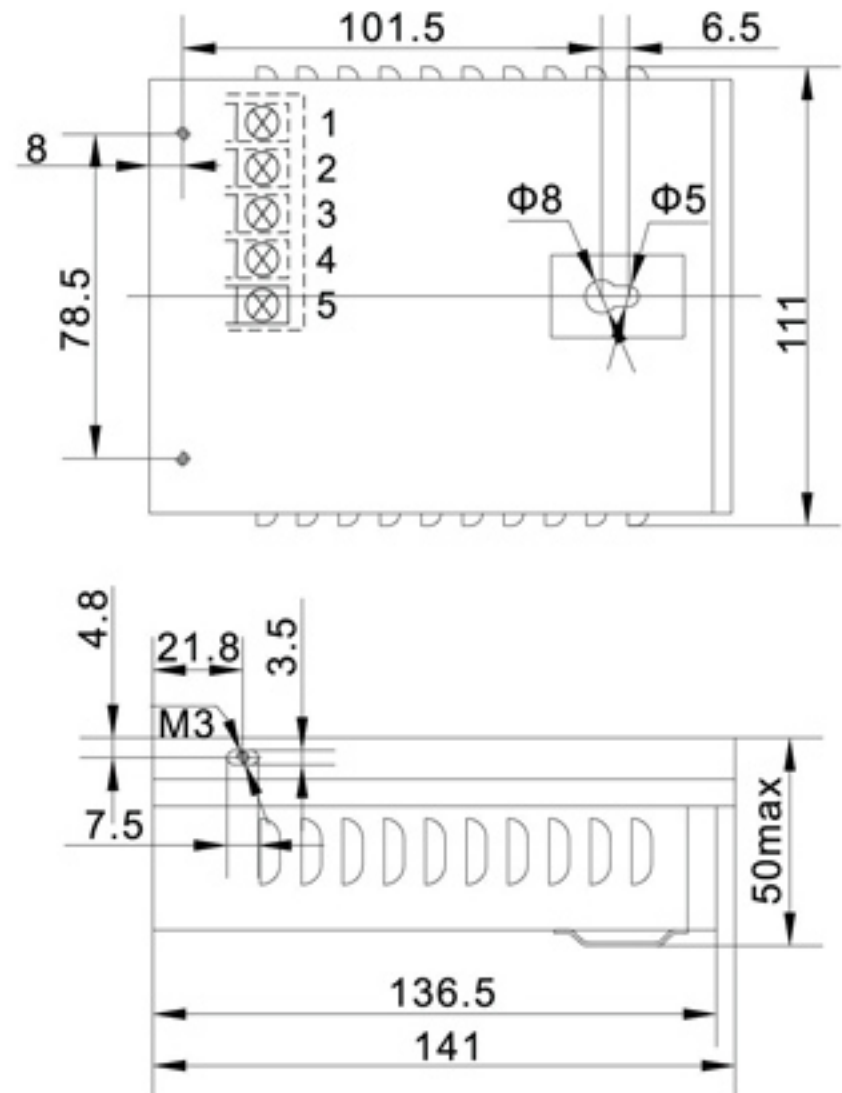
Type		FS-100-12	FS-100-24	FS-100-36
Output	Dc output voltage	12V	24V	36V
	Output voltage tolerance	± 1%	± 1%	± 1%
	Rated output current	8.5A	4.2A	2.8A
	Output current range	0-8.5A	0-4.2A	0-2.8A
	Output power	105W	101W	101W
	Ripple and the noise	150mVp-p	150mVp-p	200mVp-p
	Start, up, and keep time	700ms,24ms,30ms/230VAC		
Input	Input voltage range	170~264VAC 47~63Hz , 235~373VDC		
	Exchange input current	1.2A/230VAC		
	Efficiency	82%	84%	85%
	Impulse current	Cold start current 35A/230VAC		
	Leakage current	<3.5mA/240VAC		
Protection characteristics	Overload protection	Rated output power of 115% ~ 150% start over load protection		
		Protection way: play the mode, the load abnormal conditions can be removed to recover		
	Over-voltage protection	15~17V	30~32V	44~46V
		Protection way: hiccups mode, abnormal conditions can be removed to recover		
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 Ohms/500VDC		
Conform to the standards	Safety standards	Accord with UL1012 IP33		
	EMC standards	Accord with EN55022,CLASSA		
Other	Weight	0.8kg 206*125*50mm (L*W*H)		
	Packaging	0.8kg/20pcs/16.5kg		

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.

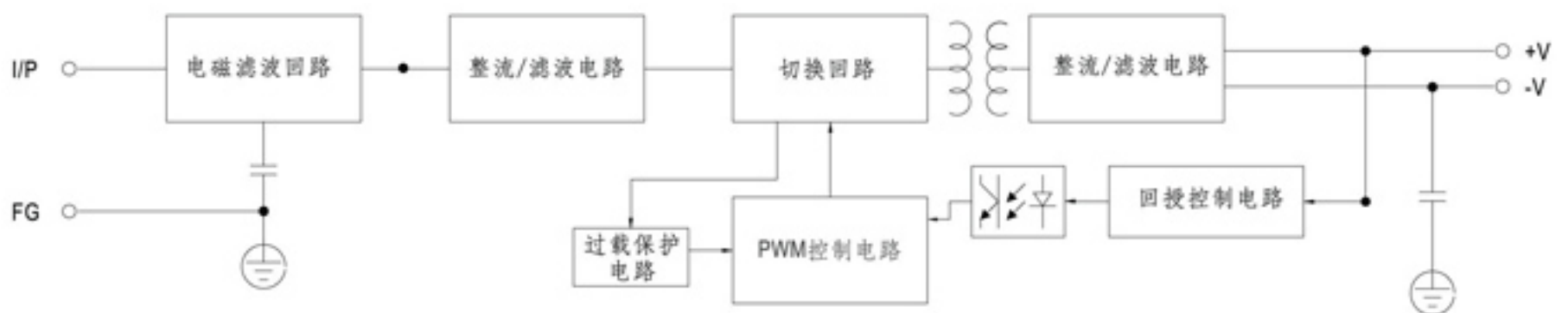
■ 机构尺寸 单位:mm



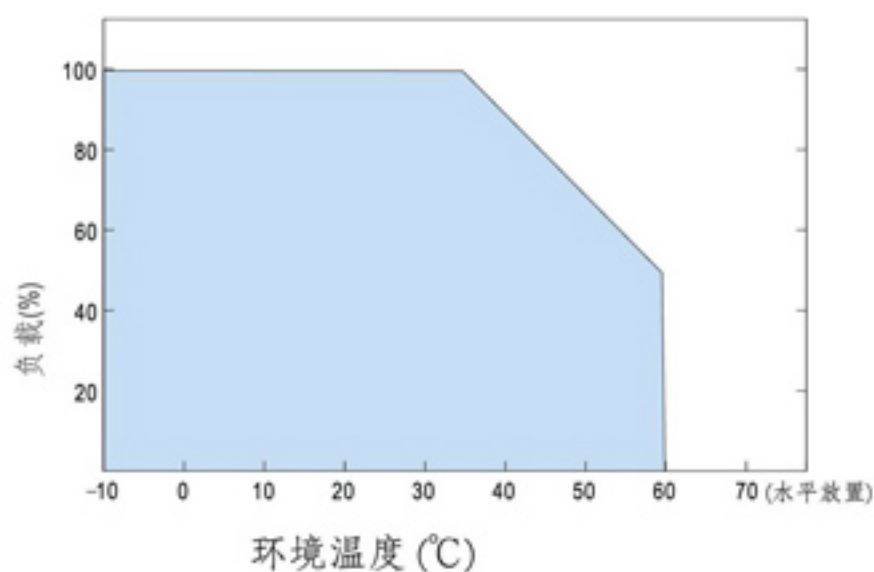
端子Pin脚分配

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

■ 原理图



■ 负载减额曲线



■ 静态特性曲线

