



**Features:**

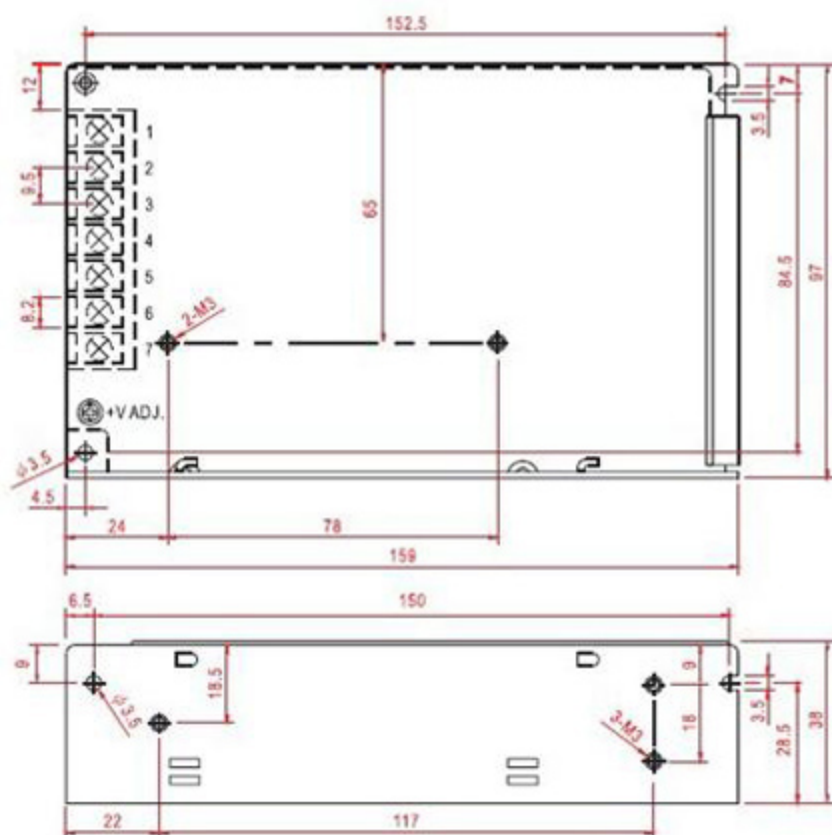
- Input voltage range had exchange by switch choice
- Had small volume, light weight, high efficiency
- Characteristics: short circuit protection miscalculates/overload
- Had natural cooling
- With that took on light emitting diode (led)
- 1 0, 0% had burned machine full load test
- 1 years had quality guarantee
- Size: had 159 x 97 x 38 mm

model		MS-120-12	MS-120-15	MS-120-24
output	Dc output voltage	12V	15V	24V
	Output voltage tolerance	±1%	±1%	±1%
	Rated output current	10A	8A	5A
	Output current range	0-10A	0-8A	0-5A
	Output power	120W	120W	120W
	Ripple and the noise	100mVp-p	120mVp-p	150mVp-p
	Dc voltage adjustable scope	-9%~+10%	±10%	±10%
	Start, rise, keep time	600ms,20ms,24ms/230VAC.1000ms,30ms,20ms/115VAC		
input	Input voltage range	90~132VAC/180~264VAC 47~63Hz(The switch choice) , 254~373VDC		
	Exchange input current	2.8A/115VAC 1.4A/230VAC		
	efficiency	82%	83%	85%
	Impulse current	Cold start current 35A/230VAC		
	Leakage current	< 3.5mA/240VAC		
Protection characteristics	Overload protection	Protection way: hiccups mode, load abnormal conditions can be removed recovery		
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 time, 60 minutes, the axis		
security	Compression sex	Input/output: 1.5 KVAC input and between to KVAC output and the earth: 1.5: 0.5KVAC		
	Insulation resistance	Between the input and output, the output and input: with ground: 100M Ohms/500VDC		
standards	Safety standards	Accord with UL1012		
	EMC standard	Accord with EN55022 , CLASSA		
other	weight	0.48kg 159*97*38 ( L*W*H )		
	packaging	0.48kg/45pcs/22.5kg/0.9CUFT		
note	1. All the parameters in has not specified, all is in 2 3 0 V voltage input, A C rated load and 2 5 ℃ conditions measuring income value. 2. Ripple and noise voltage is in 2 0 M H z bandwidth with 1 to 2 inches oscilloscope twisted pair end and 0. 1 mu and 4 7 muon capacitance measurement when. 3. Tolerance is voltage error, electricity set			

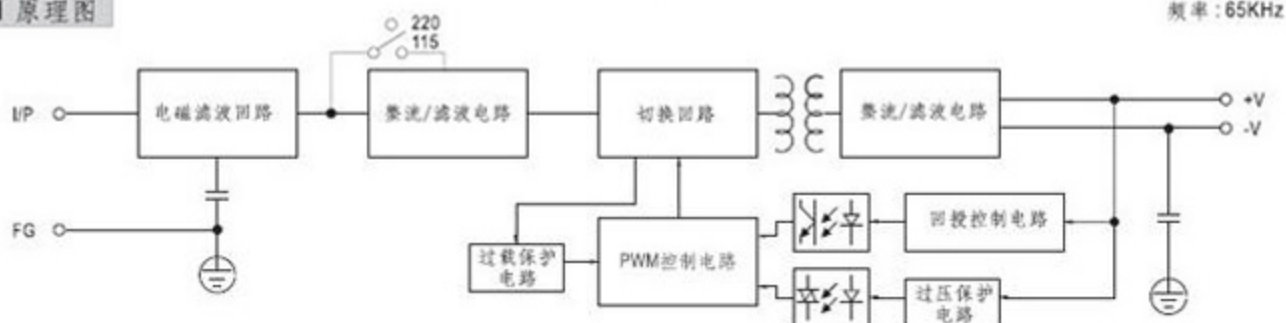
■ 机构尺寸 单位:mm

### 端子Pin脚分配

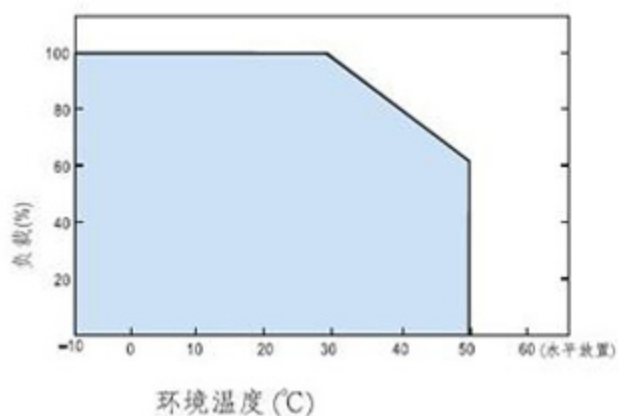
Pin脚编号	分配	Pin脚编号	分配
1	AC/L	4~5	DC OUTPUT -V
2	AC/N	6~7	DC OUTPUT +V
3	FG $\perp$		



### ■ 原理图



### ■ 负载减额曲线



### ■ 静态特性曲线

