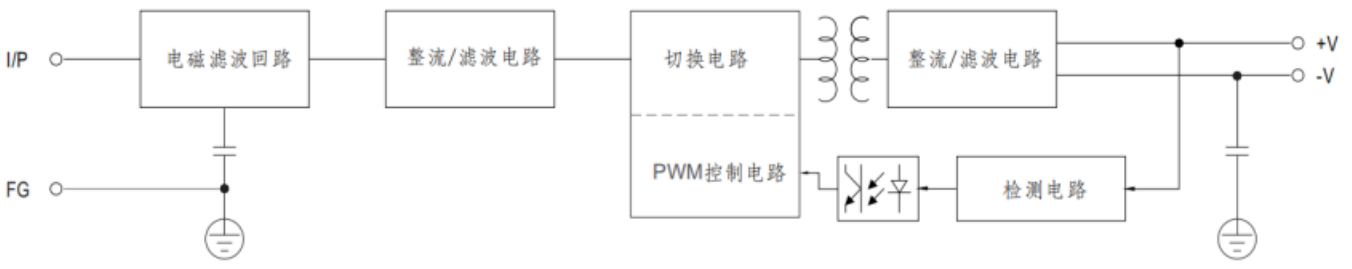
15W Single output power supply

PS Series

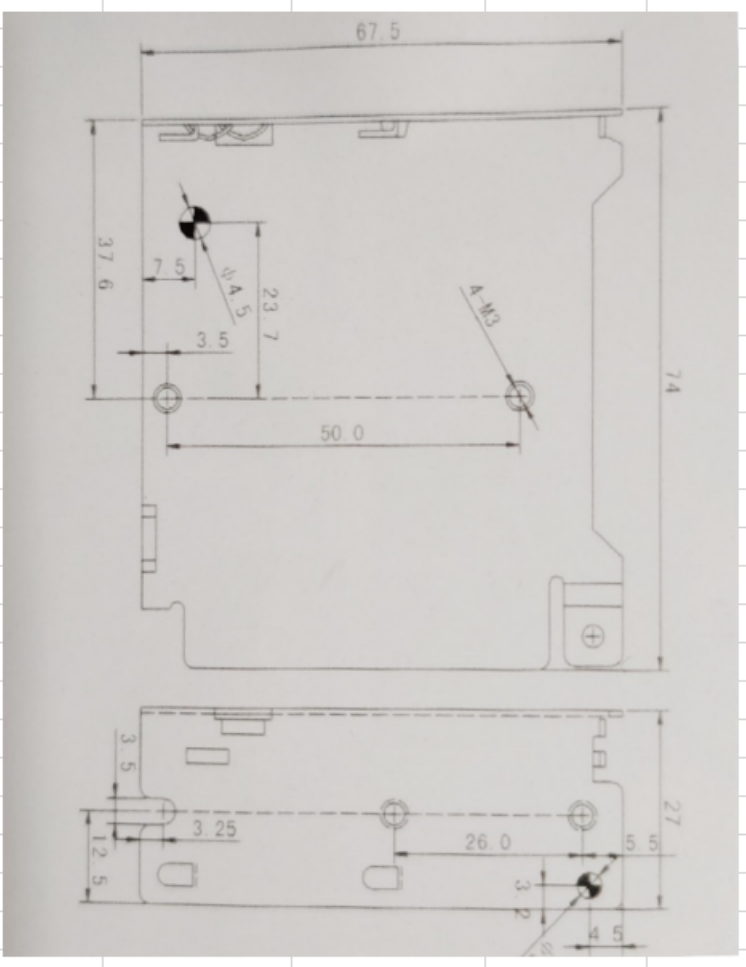
- High efficiency, long service life and high reliability
- output protection function: Over current/short circuit
- ultra wide operating temperature range-20℃~70℃
- long service life electrolytic capacitor
- 100% full load ageing test
- no fan, quiet
- 3 years

MODEL		HS-15-5	HS-15-12	HS-15-15	HS-15-24	HS-15-36	HS-15-48
OUTPUT	DC Output	5V	12V	15V	24V	36V	48V
	Rated Current	3A	1.3A	1A	0.63A	0.42A	0.32A
	CurrentRange	0~3A	0~1.3A	0~1A	0~0.63A	0~0.42A	0~0.32A
	Ripple and Noise	50mV	120mV	150mV	200mV	200mV	200mV
	Voltage ADJ. Range	±10% of rated output voltage					
	Voltage Accuracy	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Load Regulation	±1.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Set-up Time	<1.2S (230VAC input), <2.5S (115VAC input)					
	Hold up Time	<70ms/230VAC 15ms/115VAC					
INPUT	VoltageRange	88Vac~264Vac					
	FrequencyRange	47Hz~63Hz					
	Efficiency	77%	81%	81%	82%	82%	82%
	Inrush Current (Typical)	<30A@230VAC <20A@115VAC Cold start					
PROTECTION	Over Load	105%~135% of rated output current, hiccup mode, auto recovery					
	Over power	120%~130% of rated output current, hiccup mode, auto recovery					
	Short Circuit	Long-term mode, auto recovery					
ENVIRONMENT	Operating amb. Temp. & Hum.	-20℃~70℃; 25%~90%RH					
	Storage Temp. & Hum.	-40℃~85℃; 10%~95%RH					
SAFETY&EMC	Safety Standards	Reference GB4943/EN60950, UL62368-1, TUV EN62368-1					
	Withstand Voltage	Primary-Secondary:3.0KVac; Primary-PG:1.5KVac; Secondary-PG:0.5KVDC					
OTHERS	MTBF (MIL-HDBK-217F)	More than 100,000Hrs (25℃, Full load)					
	Dimension (L*W*H)	74*68*27mm					
	Packing	150g/PCS					
	Cooling method	Cooling by free air convection					
NOTE	1. All parameters NOT specially mentioned are measured at rated input, rated load and 25℃ of ambient temperature.						

Block diagram of internal mechanism



Dimensional drawing of mechanism:



Declining curve: