



20W Single output power supply

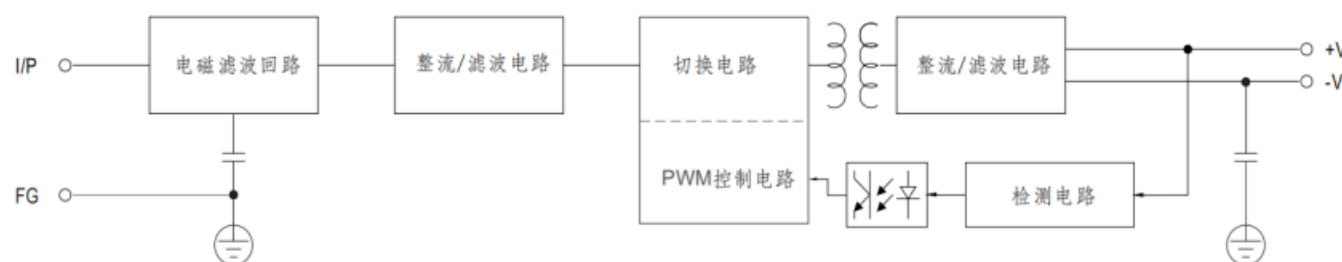
PS Series

- High efficiency, long service life and high reliability
- output protection function: Over current/short circuit
- ultra wide operating temperature range-30 ° C ~ 70 ° C
- long service life electrolytic capacitor
- 100% full load ageing test
- no fan, quiet
- 3 years



MODEL	PS-20-5	PS-20-12	PS-20-24	PS-20-36	
OUTPUT	DC Output	5V	12V	24V	36V
	Rated Current	4A	1.7A	0.8A	0.55A
	Current Range	0~4A	0~1.7A	0~0.8A	0~0.55A
	Ripple and Noise	50mV	120mV	200mV	200mV
	Voltage ADJ. Range	±10% of rated output voltage			
	Voltage Accuracy	±2.0%	±2.0%	±2.0%	±2.0%
	Line Regulation	±1%	±1%	±1%	±1%
	Load Regulation	±1%	±1%	±1%	±1%
	Set-up Time	< 1.5S (230VAC Input), < 2.5S (115VAC Input)			
	Hold up Time	< 70ms/230VAC 15ms/115VAC			
INPUT	Voltage Range	88Vac~264Vac			
	Frequency Range	47Hz~63Hz			
	Efficiency	70%	72%	72%	75%
	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.	-30°C~70°C; 25%~90%RH			
	Storage Temp. & Hum.	-40°C~85°C; 10%~95%RH			
SAFETY & EMC	Safety Standards	Reference GB4943/EN60950, UL62368-1, TUV EN62368-1			
	Withstand Voltage	input- output:3KVac; I/P-O/P:100M Ohms/500VDC 70%RH			
OTHERS	MTBF (MIL-HDBK-217F)	More than 100,000Hrs (25°C, Full load)			
	Dimension (L*W*H)	70*61*30mm			
	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°C of ambient temperature.				

Block diagram of internal mechanism



Declining curve:

