



100W Single output power supply

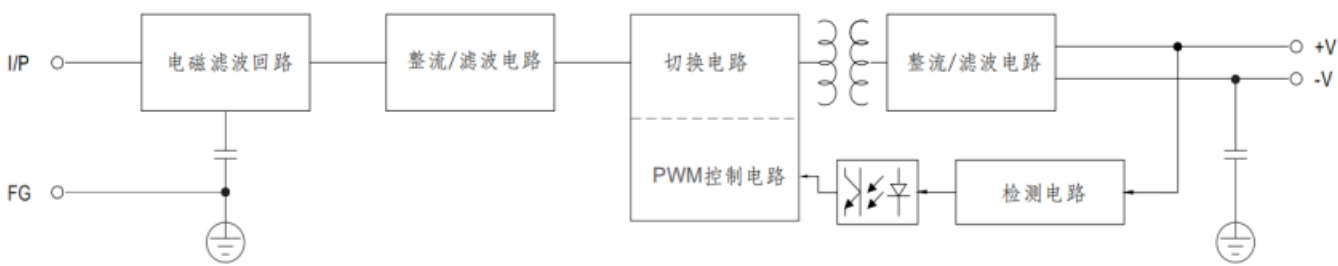
PS Series

- 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-100-5	PS-100-12	PS-100-24	PS-100-36	PS-100-48
OUTPUT	DC Output	5V	12V	24V	36V	48V
	Rated Current	18A	8.3A	4.2A	2.8A	2.1A
	CurrentRange	0~18A	0~8.3A	0~4.2A	0~2.8A	0~2.1A
	Ripple and Noise	50mV	120mV	200mV	200mV	200mV
	Voltage ADJ. Range	±10% of rated output voltage				
	Voltage Accuracy	±2.0%	±2.0%	±2.0%	±2.0%	±2.0%
	Line Regulation	±1%	±1%	±1%	±1%	±1%
	Load Regulation	±1%	±1%	±1%	±1%	±1%
	Set-up Time	< 1.5S (230VAC Input), < 2.5S (115VAC Input)				
	Hold up Time	< 70ms/230VAC 15ms/115VAC				
INPUT	VoltageRange	176Vac~264Vac				
	FrequencyRange	47Hz~63Hz				
	Efficiency	72%	75%	78%	80%	82%
	Inrush Current (Typical)	<50A@230VAC <50A@115VAC Cold start				
PROTEC TION	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				
ENVIRO NMENT	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)	127*76*50mm				
	Packing	500g/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:

