

100W Single Output Switching Power Supply


LY-100W series



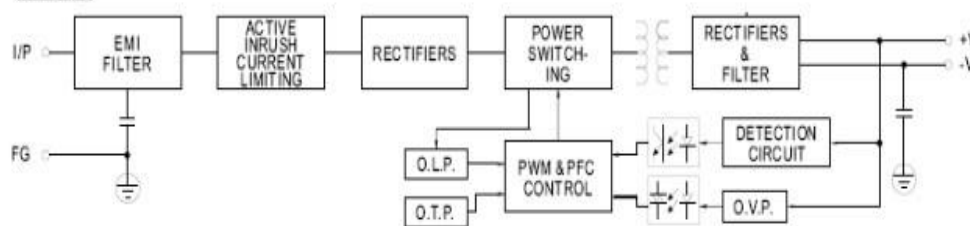
Features:

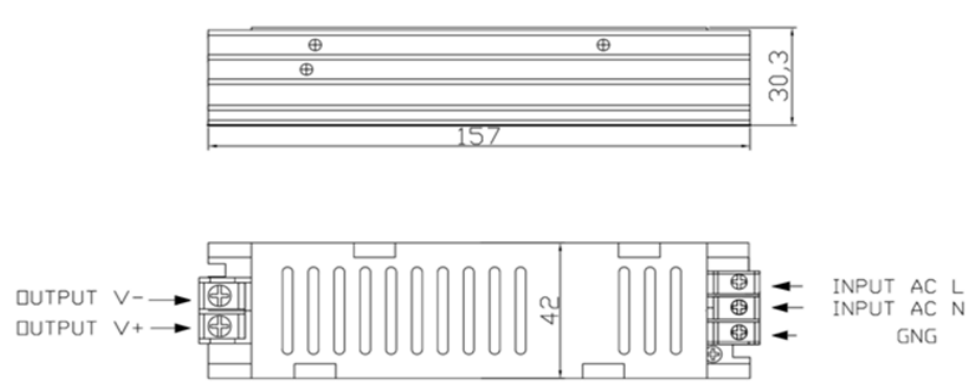
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load buin-in test
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 1 year warranty
- All using 105℃ long life electrolytic capacitors

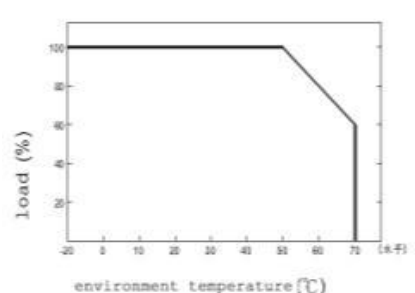
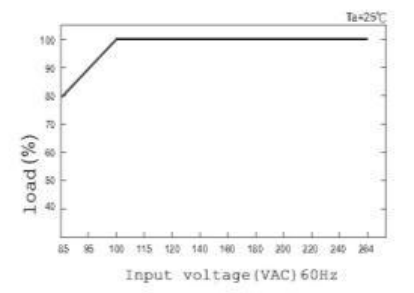
	Model	LY-100-12	LY-100-24
Output	Rated Voltage (V)	12	24
	Floating Voltage (V)	12.6	25.2
	Output Voltage Tolerance	12V±5%	24V±5%
	Rate Current (A)	8.33	4.16
	Rate Power(W)	100	100
	Max. output power (W)	105	105
	Current ripple	≤100mVp-p	≤120mVp-p
	PFC	0.6	0.6
Input	Input voltage range (V)	AC 175~240V; 47Hz~63Hz;	
	Input AC (A)	0.83A/230V	
	Efficiency	85%	86%
	Impact current (A)	36A/AC230V	
	Start, Rise, Hold-up time	2000ms,50ms,20ms	
	Quiescent current	<10mA/240VAC	
Protection	OLP	105%~150% of rated power, hiccup model, auto-recovery	
	OVP	over Max. Voltage, hiccup, auto recovery	
	OTP	≥85℃, auto recovery	
	SCP	>3 times short circuit, auto recovery	
Ambiant	Working Temp. & humidity	"-20℃~60℃, 20%~90%RH	
	Storage temp. & humidity	"-40℃~85℃, 10%~95%RH	
	Withstand voltage	I/P-O/P: 1.5KVAC/1min, I/P-F/G: 1.5KVAC/1min, O/P-F/G: 0.5KVAC/1min,	
Safety	Safety standard	GB4943 ;IEC60950-1; EN60950-1	
	EMC standard	EN55022 CLASS A; GB9254	

Mechanical Specification					
Pin No.	Assignment	Pin No.	Assignment	Demension	
1	AC/L	4	DC OUTPUT-V	116mm*44mm*32mm/pcs	
2	AC/N	5	DC OUTPUT+V	0.209kg/pcs	
3	 FG				

方框图





Derating Curve	Static Characteristics(12V)
	

REMARKS:

- 1, The above mentioned data were measured at 230VAC input and 25°C.
- 2, Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
- 3, Cut the AC input before checking any mal-phenomenons.
- 4, Make sure the INPUT&OUPUT were in right situation before connected to power supply.
- 5, Be ware of high power pressure may caused by short circuit when installing metal casing products.