

**100W Single Output Switching Power Supply**



**GS-100B...**

**Feature**

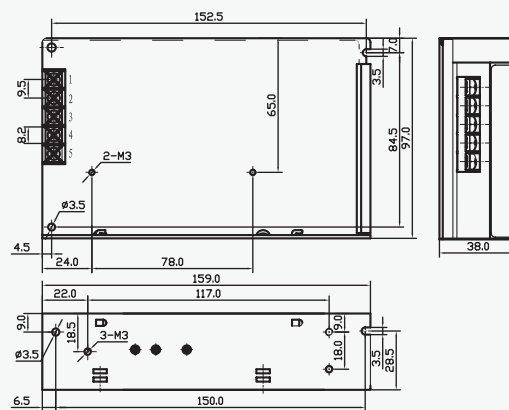
- High efficiency, high reliability, lost cost
- AC input range selected by switch
- Fixed switching frequency at 100KHz
- Protections: Short circuit / Over load
- Cooling by free air convection
- 100% full load burn-in test
- 1 year warranty
- Dimensions: 159\*97\*38mm(L\*W\*H)

**Notes:**

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair wire terminated with a 0.1µf & 47µf parallel capacitor.
- Tolerance: includes set up tolerance, line regulation and load regulation

Model		GS-100B-5	GS-100B-7.5	GS-100B-12	GS-100B-15	GS-100B-24	GS-100B-48	
Output	DC Voltage	5V	7.5V	12V	15V	24V	48V	
	Voltage Tolerance	±1.5%	±1.5%	±1%	±1%	±1%	±1%	
	Rated Current	15A	11A	8.3A	6.6A	4.2A	2.1A	
	Current Range	0-15A	0-11A	0-8.3A	0-6.6A	0-4.2A	0-2.1A	
	Rated Power	75W	82.5W	99.6W	99W	100.8W	100.8W	
	Ripple & Noise	80mVp-p	120 mVp-p	120 mVp-p	150 mVp-p	150 mVp-p	150 mVp-p	
	DC Voltage adi. Range	+10%	±10%	±10%	±10%	±10%	±10%	
	Setup,Rise,Hold Time	300ms,150ms,20ms						
Input	Voltage Range	90~135VAC/180-264VAC 47-63Hz						
	AC Current	1.9A/115VAC 1A/230V AC						
	Efficiency	78%	80%	81%	82%	84%	84%	
	Inrush Current	Cold start 150A/230V						
	Leakage Current	<1 mA/240VAC						
Protection	Over Load	115%~150%						
		Protection type: Fold back current limiting, recovers automatically after fault condition is removed						
Environment	Working Temp., Humidity	-10°C~+60°C; 20%~90 %RH						
	Storage Temp., Humidity	-20°C~+85°C; 10%~95 %RH						
	Vibration	10-500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes						
Safety	Withstand Voltage	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC						
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M /500VDC						
Standards	Safety Standard	Design refer to UL1012 EN60950						
	EMC Standard	Design refer to EN55022, IEC801-2,3,4 EN61000, EN555-2						
Others	Weight	0.51Kg						
	Packing	30pcs/16.1Kg/0.86CUFT						

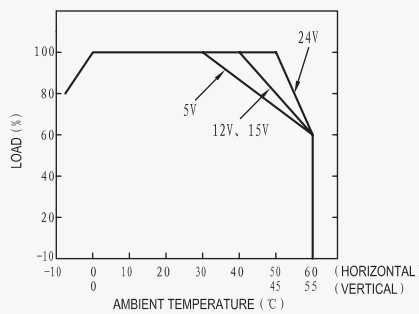
**Outline and dimension**



Terminal Pin No. Assignment:

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG		

**Derating Curve**



**Static Characteristics(24V)**

